STOREX

Network Camera

User's Manual

Model No. **DNR-30H**

V2-111223

Trademark

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Disclaimer

STOREX™ reserves the right to modify the user manual without prior notice according to the product's development and any updates.

Support

Visit the STOREX website http://ipcam.storex.eu and then select you IP camera model. You will be able to download the latest full version of the user´s manual and the software updates.

For any technical support or repair requests, please fill out the Technical Support contact at the following address: support.uk@storex.eu

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CE FC

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Chapter 1: Important Notices

Operation Safety

Before starting using the camera, please read and follow the steps below to protect your IP camera.

- Please place the IP camera on a level surface and out of direct sun shine.
- Please keep the IP camera indoors and away from water, dust, humidity or magnetic products.
- Please do not rotate your IP camera by hand. It may cause the damage of the IP camera.
- Please do not drop the IP Camera body to the floor; it may cause the damage to main parts.
- Please do not disassemble or remodel the product; it may cause damage or fire.
- Do not shake, move or disturb the IP camera when it is in operation, as such actions may result in the malfunction of the device.
- Power off the IP Camera as soon as it is found smoking or smelt unusual.
- Please do not place the IP Camera around the heat sources, such as television or microwave oven.

About this Manual

This manual is only intended for the users of Storex DNR-30H network camera. The content of this manual is applicable to firmware release 2.0.

Conventions in this Manual

While you are using this manual, pay attention to some symbols and notations that are used to draw attention to special situations such as:

Caution!
Information provided here is critical to prevent damage to the product or injury to the user.

Important:
Here it provides instructions that a user must follow in order to complete a task.

Note:
Additional information or tips to help the user operate the product.

Chapter 2: Product Overview

Package Contents

DNR-30H

Please check the package contents on your hand. If anything is missing, please don't hesitate to contact your local distributor.

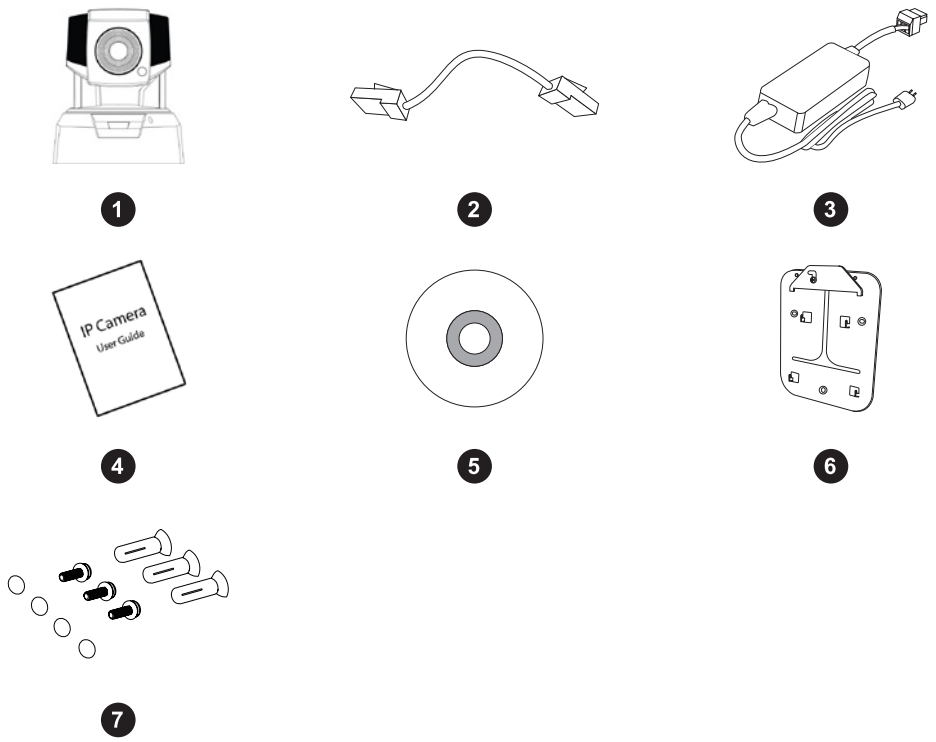


Figure 2-1. DNR-30H Parts list

1. DNR-30H Network Camera
2. RJ-45 LAN Cable
3. Power adaptor (12V, 2A) & cable
4. Quick installation guide
5. Installation CD
6. Wall mount plate
7. Screw for ceiling mount x 3, screw mount x 3, camera pad x4

Features

DNR-30H Full Feature List

- 1/3" CMOS progressive scan sensor
- Pan, Tilt (Pan of 340 degrees, Tilt of 100 degrees), 2x precision zoom
- Day and night functionality with mechanical IR cut filter switching
- Built-in IR LED x12
- Supports real-time H.264, MPEG-4 and MJPEG compression (Triple Codec)
- Supports dual simultaneous streams
- Video frame rate is up to 30 frames per second at 640x480 resolution
- Smart motion detection
- Two-way audio with built-in MIC (External speaker not included)
- Supports UPnP (Universal plug and play)
- Supports 10/100 802.3/Ethernet
- Optional 802.11b/g/n WLAN upgrade module
- Supports local storage (microSD/SDHC)
- Easy to install with IP Cam Wizard
- Remote Monitoring on 3GPP Mobile
- Bundled with a powerful 32-channel IP video management software --- NVR Station
- Optional Digital I/O box for External Sensor and Alarm (3 In/3 Out)

Camera Layout

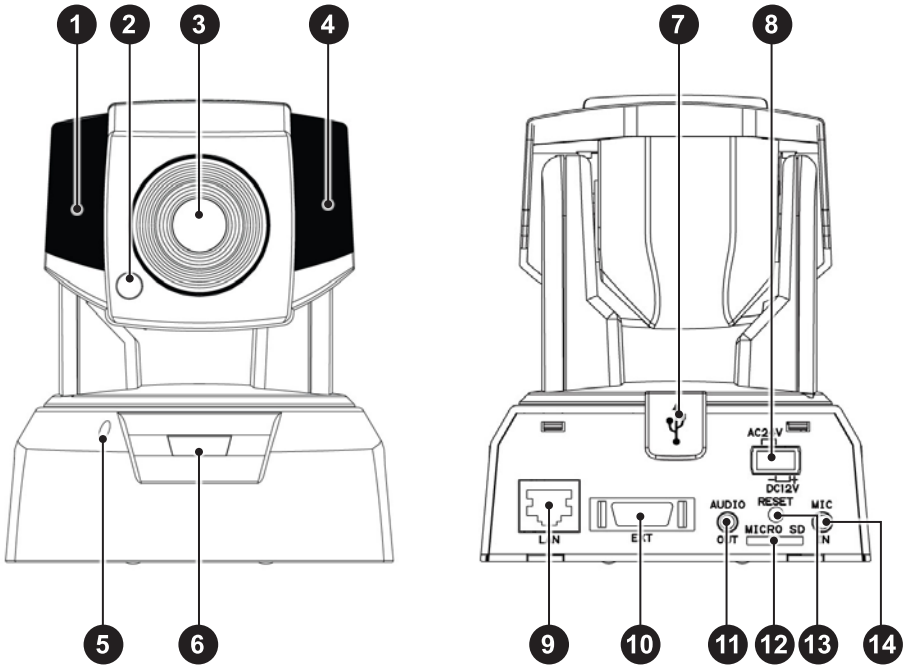


Figure 2-2. Front and rear view of DNR-30H

1. IR LEDs x 6 (12 in total)
2. Light sensor
3. Lens
4. IR LEDs x 6 (12 in total)
5. Microphone
6. LED status indicator
7. USB wireless adapter connector
8. Power connector
9. Ethernet port
10. I/O box connector
11. Audio Output
12. MicroSD/SDHC card slot
13. Reset button
14. Microphone input

LED Status Indicator

The LED status indicator comprises a blue LED and a red LED. When you turn on the power of IP camera, the camera will start booting procedure. The IR LEDs and LED status indicator will be lit in the following patterns:

1. A few seconds after the IP camera powers on, the IR LEDs and LED status indicator becomes lit. The IR LEDs appears red.
2. After about 5 more seconds, the IR LEDs turns off.
3. Attempting to connect: Establishing connection takes about 60 seconds. After the connection is established, the blue LED will remain lit.
4. Connection established: LED status indicator remains lit in blue.
5. Connection failed: Blue LED light flashing on and off.

Red LED	Blue LED	Indication
On	On	System booting up
Off	On	Successfully established network connection
On	Off	Performing hardware test
Off	Off	Powered off
Blinking (every 0.5 sec.)	Off	Failed to connect to network / failed to establish a WPS connection
Off	Blinking (every 0.5 sec.)	Attempting to establish a WPS connection
Off	Blinking (every 0.2 sec. in a 3-second period)	Successfully established a WPS connection
Blinking (every 0.5 sec.)	Blinking	Attempting to establish network connection

Table 2-1. LED status

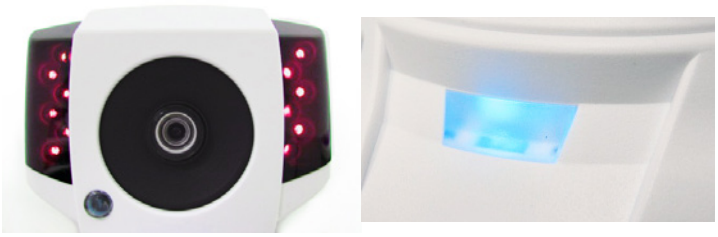


Figure 2-3. IR LEDs (left) and LED status indicator (right)

Chapter 3: Installation

Connecting the Cables

The picture below shows the basic connection of your IP camera.

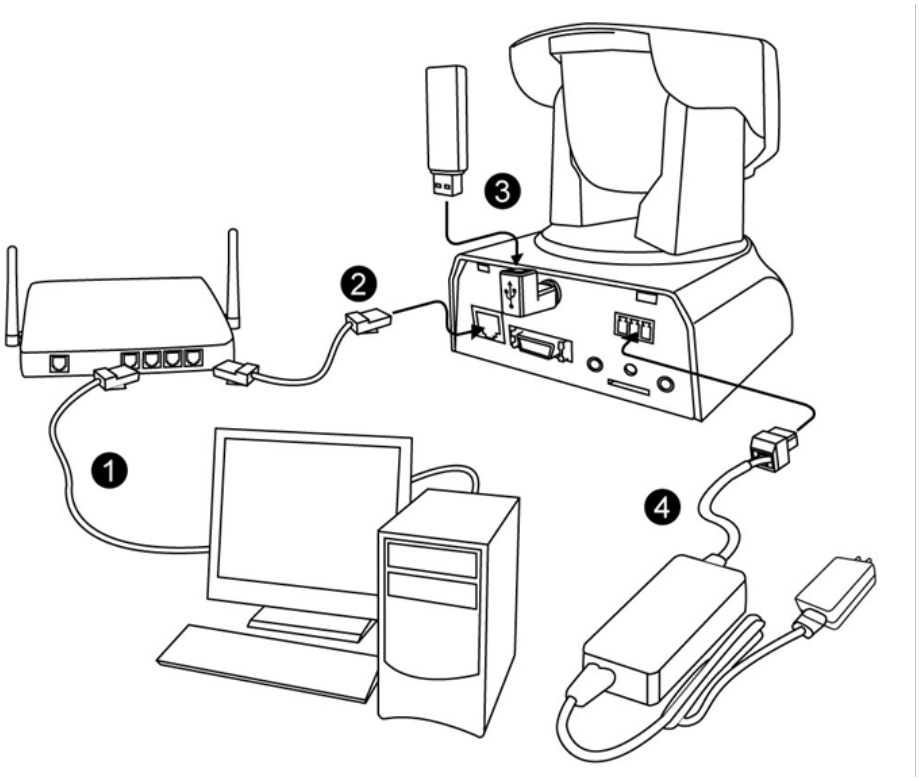


Figure 3-1. Connection of cables

1. **LAN cable from PC to hub/router:** If your LAN cable from PC has been connected to the Cable/ADSL modem, please re-connect it to the Ethernet port of your hub/router.
2. **Ethernet port on camera:** Use the bundled RJ-45 LAN cable to connect the Ethernet port of the IP camera to the Ethernet port of your hub/router.
3. **Wireless adapter (Optional accessory):** If you have purchased the Storex USB wireless adapter for wireless connection, please plug it into the USB port of IP camera for wireless reception.
4. **Power:** Attach the power adapter to the camera's power connector and connect the power plug to a power outlet.

Caution!

- The wireless connection port only supports the Storex wireless adapters ; please do not use other USB adapters on Storex IP camera. Should you remove the wireless adapter during camera operation, you need to power off the camera first before re-plugging it.
- Please do not rotate your IP camera by hand. It may cause the damage of the IP camera.
- When you unplug the power plug from the wall outlet while the camera is still in operation, wait for 4 seconds before plugging the power plug back in the wall outlet. And avoid too frequent plugging and unplugging of power cable.

Wireless Connection

With the Storex wireless adapter installed, you can also opt for using the wireless connection. Please keep in mind that you can only have one active connection at a given time, either through LAN or wireless network.

If you connect the IP camera to the Intranet, then the same group of users can share the access of IP camera. Please also ensure that the wireless adapter has been securely fastened, or it could lead to unstable connection.

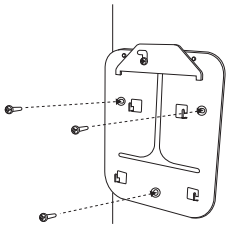
If the wireless connection drops randomly or plainly seems slow, try bringing your IP camera in closer proximity to the wireless AP/router and then see if the situation improves.

Important:

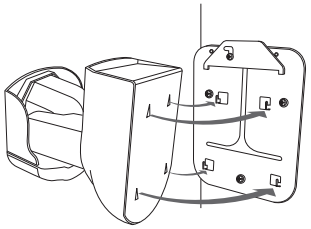
- Having more walls and ceilings between the wirelessly connected Storex camera and your wireless AP/router will negatively affect your wireless connection speed. Generally, the number of walls and ceilings shall be kept in minimum.
- Materials and objects like solid metal, aluminum, steel, water, brick, and concrete will weaken the strength of the wireless signal. Allow the wireless signal from your wirelessly connected camera and your wireless AP/router to pass through open doorways when positioning them.
- The operation of the wireless network may be interfered should there be other 2.4 GHz devices working in the vicinity, e.g. microwave oven, digital cordless camera, etc. You may experience slow frame rate or drops of connection; in such situation, we suggest you try moving the IP camera away from the area or turning off other appliances.
- Since wireless cameras can cause interferences on transmission, you may encounter erratic behavior when there are more than 10 cameras operating in close proximity.
- The default wireless connection method uses 802.11n standard and you should experience a stable connection on your camera within 20 meters of the access point. .

Mounting on the Wall or Ceiling

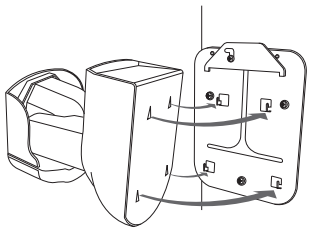
1. Screw the mounting plate into the mounting surface.



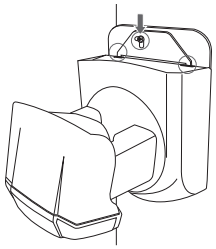
2. Secure the IP camera to the ceiling plate.



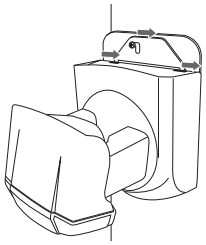
3. Loosen the screw that fixes the trapezoid-shaped fastening bracket.



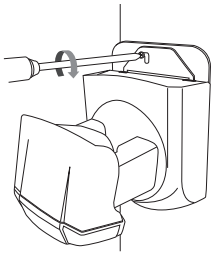
4. Let the two tips of the fastening bracket slide into its position on the camera base (as circled).



5. Push and hold the bracket to the right and tighten the screw.



6. Use a screwdriver to tighten the screw on the fastening bracket. Make sure the bracket holds its position firmly.



Installing Camera Software

The software for your camera includes 2 major parts which help you use the IP camera:

1. iWizard Installer and iWizard utility: For quick and convenient setup of your IP camera software/ hardware in steps. Having installed the iWizard, double-click on the iWizard icon on your desktop and it will start to search the available cameras on your network.

Figure 3-2. iWizard

2. 16-CH WebVUer: This provides Live View and controls via Internet Explorer (ActiveX). The WebVUer also supports multi-channel management, allowing you to monitor up to 16 cameras.

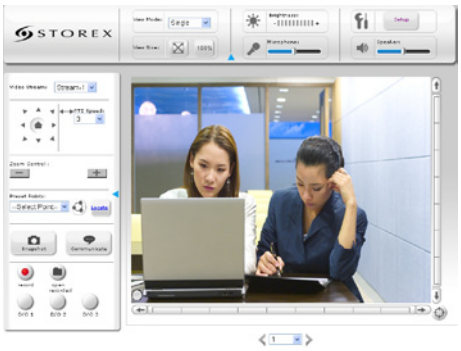


Figure 3-3. 16-CH WebVUer

Running the iWizard Setup Utility

Before running Storex software, make sure you have Storex IP Camera beside you. To begin setup, insert the installation CD supplied with the camera into your CD-ROM drive, and the iWizard utility will start and guide you during the installation process of the hardware and software for your IP camera. You will be asked to select the displayed language first. Then please click on [IP Camera Setup] and select the camera you wish to install, and follow the steps below.

Note:
If Autorun has been disabled in your computer, please browse the contents of the installation CD and double-click on the "iWizard.exe" file to run the setup wizard.

1. The wizard searches for all available cameras on your local network. Click on a camera from connected camera list, and wait until the live video and camera information are displayed on the right side. (You can double-check the device name and the MAC ID which are printed on the serial number sticker at the back of IP camera and on the package). Then, click [Next].

Figure 3-4. Camera selection

2. Meanwhile, if you see the Windows Security Alert dialog box during the search, please choose [Unblock]..

Windows Security Alert
To help protect your computer, Windows Firewall has blocked some features of this program.
Do you want to keep blocking this program?
Name: iWizard
Publisher: STOREX
Keep Blocking
Unblock
Ask Me Later
Windows Firewall has blocked this program from accepting connections from the Internet or a network. If you recognize the program or trust the publisher, you can unblock it. When should I unblock a program?

Figure 3-5. Security alert dialog (Windows XP)

3. The default password is *admin*. We strongly recommend you enter a new password to protect your system. (Please note down your new password) You can also click [Next] to skip this step and retain default password.

Step3
Password Setting
Please enter a suitable password to prevent unauthorized access of your device
Your current password is defaulted to "admin". It is highly recommended that you change it to something more secure.
Default Password:
admin
New Password:
Confirm Password:
Note: Please use the standard A ~ Z and 0 ~ 9 characters for the password.
Main Menu
Previous
Next

Figure 3-6. Password setup

4. Please check the camera name, date and time setting.

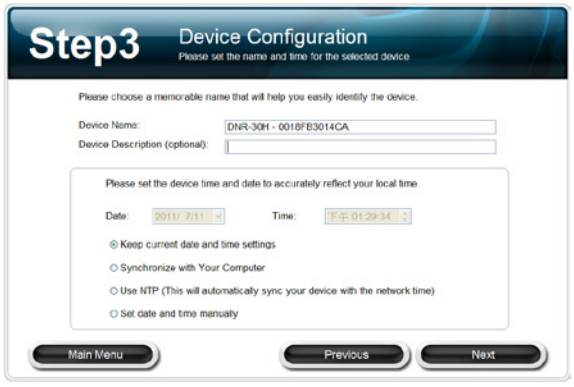

Step3
Device Configuration
Please set the name and time for the selected device
Please choose a memorable name that will help you easily identify the device.
Device Name:
DNR-30H - 0018FB3014CA
Device Description (optional):
Please set the device time and date to accurately reflect your local time
Date:
Time:
Keep current date and time settings
Synchronize with Your Computer
Use NTP (This will automatically sync your device with the network time)
Set date and time manually
Main Menu
Previous
Next

Figure 3-7. Camera configuration

5. When you come to Seedonk setup, you can choose whether to use Seedonk service and remotely access your camera through Seedonk platform. If you choose [Yes], you may opt for connecting to a different Seedonk server by pressing the [Advanced Settings] button, and entering a different server address.

Figure 3-8. Seedonk setup)

Note:
Seedonk video streams are encrypted end-to-end and most of the streams are sent through direct channels and don't pass through Seedonk server, which helps protect user privacy.

6. Select the configuration of your IP address to obtain IP address automatically (DHCP mode) or manually enter IP address information. Then choose whether to allow iWizard to automatically configure your firewall, configure connection port and the frequency of your local power. (Note if you enabled Seedonk service, you won't see connection port and frequency configuration here.)

Figure 3-9. Device configuration

7. Select the orientation of your IP camera in Standard Position or Ceiling Mount. You can also change the orientation setting later via the Web client.

Step4
Orientation Configuration
Please select how you've mounted the device
Please select the orientation of your device, which will result in the rotation of the video being shown on screen.
Standard Position
Ceiling Mount
Main Menu
Previous
Next

Figure 3-10. Orientation configuration

8. (If you are not using wireless connection, please skip this part) If you have purchased and connected the Storex wireless adapter to your IP camera, you will come to wireless network setup. Please click[Yes] to connect wirelessly by default. The wizard will search for available access points. Then select one access point.

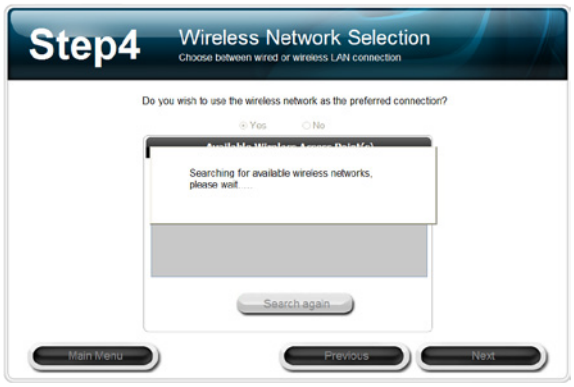


Figure 3-11. Wireless connection setup

9. The wizard will select an appropriate encryption method automatically. You need to input the correct passphrase, and then select a suitable IP address configuration in order to continue with setup. (For Wireless connection only.)

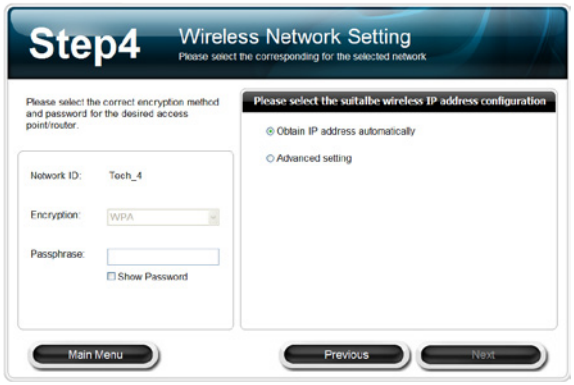


Figure 3-12. Wireless connection setup

10. (Skip this part if you didn't enable Seedonk service.) You will be asked to log in to your Seedonk account when you come to Seedonk setup. If you don't have a Seedonk account yet, you can choose to create a Seedonk account and continue with account registration (You need to read and accept the Seedonk end user license, term of service, and privacy statement in order to open a Seedonk account).

Figure 3-13. Seedonk account setup

11. (Skip this part if you didn't enable Seedonk service.) After successful login to your Seedonk account, you may choose to download and install Seedonk Messenger by clicking on [Download and Install]. Click on [Next] if you wish to do so later manually.

Step5
Seedonk Messenger Installation
Please download and install the latest version of the Seedonk Messenger
seedonk
With the Seedonk Messenger, you can easily view and record your live device, configure its settings, and share it with friends and family from anywhere in the world!
Download and Insta
Main Menu
Previous
Next

Figure 3-14. Installation of Seedonk Messenger

12. The iWizard starts programming your camera based on your settings. Please wait patiently and do not interrupt the process.

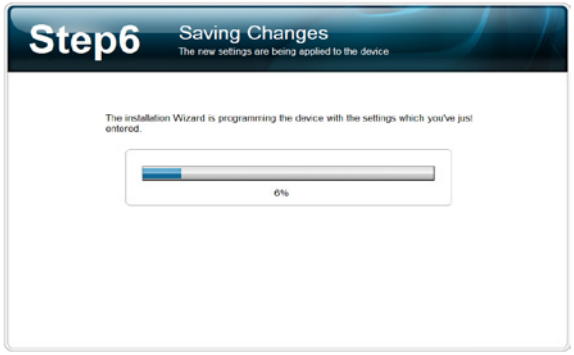

Step6
Saving Changes
The new settings are being applied to the device
The installation Wizard is programming the device with the settings which you've just entered.
6%

Figure 3-15. Programming camera

13. The iWizard performs system diagnosis based on your network settings and alert you for inappropriate settings (marked with a exclamation mark icon).

Figure 3-16. System diagnosis

14. The iWizard indicates the setup has been completed successfully. You can click on the URL to view the live video now. Click [Yes] if you wish you set up another camera from scratch.

Step8
Multi-device Setup
If you wish to setup another device at this time, you may do so by pressing the Yes button
Congratulations, you had successfully setup the network device. You can start using the device by enter the IP address into the web browser
http://192.168.0.78:2078
Do you wish to setup another device?
Yes
No
Main Menu

Figure 3-17. Multi-camera setup

Chapter 4: Accessing the Camera

Viewing Live Video Stream

Storex provides a wide range of access method to view the live video streamed from the IP camera that you've just installed, which includes:

1. View the live video stream from a single camera on the Internet Explorer (WebVUer) which comes with all Desktop/Laptop/Nettop/Tablet with Windows system. This is the easiest way to view the video of the IP camera and requires little learning time. (The FireFox and Safari browser is supported via a firmware update and VLC plug-in)
2. View the live video stream from a single camera on the mobile web browser of your iPhone/iPod, Android phone, BlackBerry, PDA, MID or any other mobile Internet devices with a web browser. Through streaming Motion-JPEG video, you can view the camera on your mobile devices at anytime and from anywhere. (M-JPEG mode is limited to live view screen only.)
3. View the live video stream from a single camera via 3GPP-capable cellular phone over the internet. This is the preferred way of accessing your camera while you are away from home and have no access to a computer. However, due to some limitation of this technology, only video stream is provided in this mode.

Note:
Your wireless carrier will be charging at a pre-determined rate for using mobile data service.

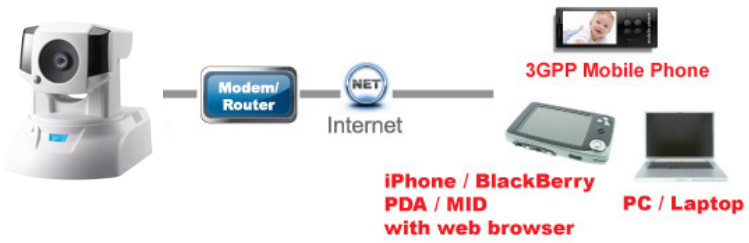


Figure 4-1. Ways of accessing camera

Accessing via PC Web Browser

User can check the current condition of the monitored area via Internet Explorer which comes with all Windows-based computer system. Please refer to the following steps to watch live view on WebVUer:

1. Open the Internet Explorer.
2. Enter the camera's IP address in the address bar. (e.g. 192.168.0.100)
3. A dialog box that requests the user name and password appears; enter a valid user name and password, and then press OK. The default user name and password are both `admin.'

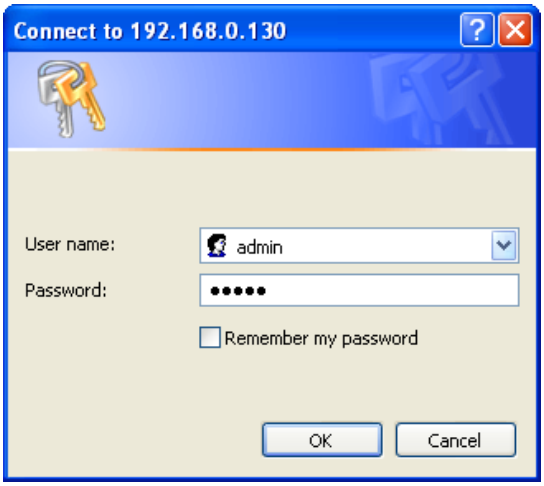


Figure 4-2. Login dialog box

Note:
If you forget your user name and password, you need to reset your camera to factory default settings (see Troubleshooting chapter).

4. After valid user name and password are entered, Internet Explorer will prompt the installation of camera software from Storex.

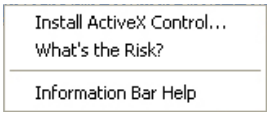


Figure 4-3. Installing Storex ActiveX

5. Click on the warning message and choose to install the ActiveX. And then the reconfirmation dialog will appear on the screen. Please press [Install] twice to install both the `StorexActiveX.cab' and `IPCamClientActivex.cab' on your system.

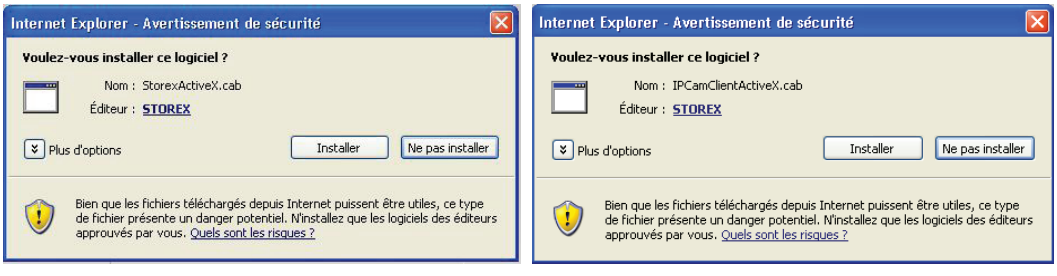

Internet Explorer - Avertissement de sécurité
Voulez-vous installer ce logiciel ?
Nom : StorexActiveX.cab
Éditeur : STOREX
Plus d'options
Installer
Ne pas installer
Bien que les fichiers téléchargés depuis Internet puissent être utiles, ce type de fichier présente un danger potentiel. N'installez que les logiciels des éditeurs approuvés par vous. Quels sont les risques ?
Internet Explorer - Avertissement de sécurité
Voulez-vous installer ce logiciel ?
Nom : IPCamClientActiveX.cab
Éditeur : STOREX
Plus d'options
Installer
Ne pas installer
Bien que les fichiers téléchargés depuis Internet puissent être utiles, ce type de fichier présente un danger potentiel. N'installez que les logiciels des éditeurs approuvés par vous. Quels sont les risques ?

Figure 4-4. Security Warnings

6. Meanwhile, the Windows Security Alert dialog may appear. Please click [Unblock] to unblock it from firewall.

Windows Security Alert
To help protect your computer, Windows Firewall has blocked some features of this program.
Do you want to keep blocking this program?
Name: Internet Explorer
Publisher: Microsoft Corporation
Keep Blocking
Unblock
Ask Me Later
Windows Firewall has blocked this program from accepting connections from the Internet or a network. If you recognize the program or trust the publisher, you can unblock it. When should I unblock a program?

Figure 4-5. Unblocking application

7. Now you can start using WebVUer on Internet Explorer to watch live video and manage IP camera.

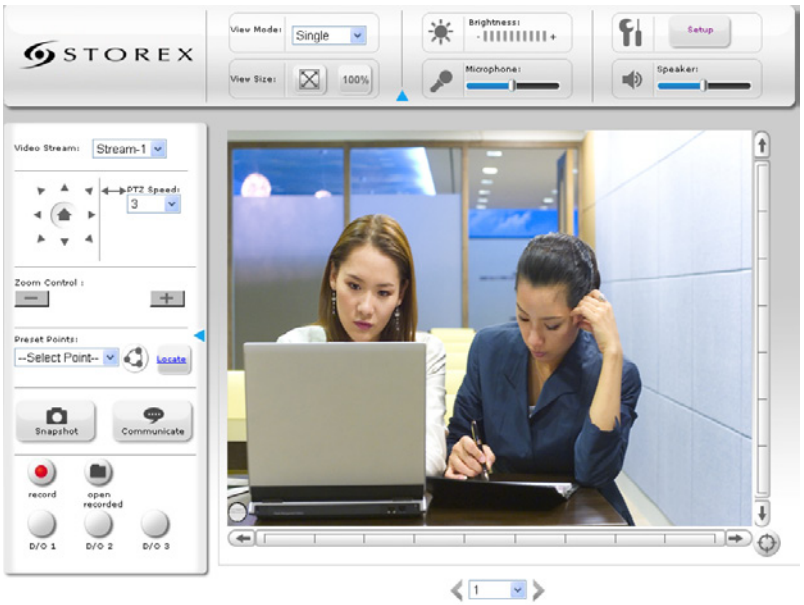


Figure 4-6. Live view

Note:
If your IP camera falls behind a firewall, you will need to enable ports 80 and 554 (default ports used by camera) in your firewall and link them to the internal IP address of the camera. Should you have more than one IP cameras, please increase the value of the above ports by 1, e.g. the second camera will have ports 81 and 555. Please refer to the manual of your router or firewall.

Accessing via iPhone/Smartphone

As long as your device comes with built-in web browser, you can use the device to view the live video stream via MJPEG mode (video only), which is supported on popular smartphones like iPhone and a wide range of mobile devices such as NB, Mobil Phone, PDA, Nettop, MID, Tablet.

Platforms and supported web browsers:

- Windows: IE, Google Chrome, Safari, FireFox (non-IE browsers require VLC plug-in)
- Linux: FireFox
- Mobile Device: iPhone, iPod Touch, BlackBerry, Android, WM and major-brand mobile phones.

However, before you can successfully view your camera video from a remote location over the Internet, you need to configure port forwarding on the network router to which your IP camera is connected (see the remote viewing section in the Troubleshooting chapter). To access your camera via mobile web browser, follow the steps below.

1. Use a PC to log on to the camera, and go to [Setup] > [Video Settings], and check the [Enable 2nd Stream (include 3GPP)] box to enable the stream-2 video.
2. For the Stream-2, set the Codec as "Motion-JPEG".
3. Launch the web browser on your iPhone, Android phone, or any other mobile Internet device, and enter (IP-address)/mjpeg.html into the address field of your phone's web browser to watch live video on your mobile device. Or click on the link at the bottom of the Video Settings page to preview the M-JPEG stream.

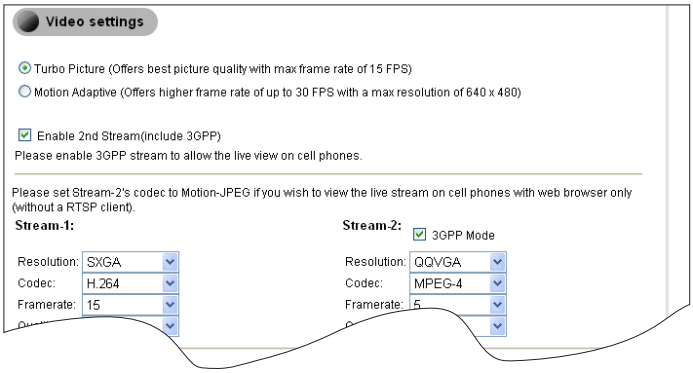

Video settings
Turbo Picture (Offers best picture quality with max frame rate of 15 FPS)
Motion Adaptive (Offers higher frame rate of up to 30 FPS with a max resolution of 640 x 480)
Enable 2nd Stream(include 3GPP)
Please enable 3GPP stream to allow the live view on cell phones.
Please set Stream-2's codec to Motion-JPEG if you wish to view the live stream on cell phones with web browser only (without a RTSP client).
Stream-1:
Resolution: SXGA
Codec: H.264
Framerate: 15
Stream-2:
3GPP Mode
Resolution: QQVGA
Codec: MPEG-4
Framerate: 5

Figure 4-7. Enable 2nd stream

Accessing via 3GPP Mobile Phone

You can access your IP camera via 3GPP-compatible mobile phones when the IP camera has a stable internet connection and the mobile device has a good connection on GPRS or to 3G network. There are several prerequisites which need to be met before using the 3GPP function successfully.

1. User should turn on the 2nd stream of the IP camera and set the resolution as QQVGA, FPS as 5, codec as MPEG-4 and set a medium bit rate for Quality. In addition, after enabling the 2nd stream, you will notice a drop in the frame rate for the primary stream. This is a normal behavior since the camera system has to process two streams instead of just one.
2. User needs to make use of DDNS function and obtain a valid Dynamic DNS (DDNS) address.
3. Ensure that an active internet connection is available for both the IP camera and the intended mobile phone.
4. Port forwarding on the network router to which your IP camera is connected must be configured in order to enable remote viewing on your IP camera.

Having taken above actions, enter the following address into the address field of your mobile web browser or streaming software in order to view the live image: "rtsp://ipcamera-ip/medias2" (the "ipcamera-ip" is the DDNS address that you've obtained in the installation process).

Note:
Storex does not guarantee the successful viewing of live video on every 3GPP-compatible cell phone. You may also need to consult with the mobile network service provider about the usage and availability of 3GPP format.

Accessing via Seedonk IM Client

If you have installed the Seedonk IM client, you can also access your network camera through the easy-to-use Seedonk IM. Its intuitive instant-messenger-like interface lets your conveniently control, view, and share cameras over the Internet. If you have not installed the Seedonk IM client, you can download it from "http://web.seedonk.com/index.php/download.html". Having downloaded the Seedonk IM, run the application and follow on-screen instruction to complete its installation.

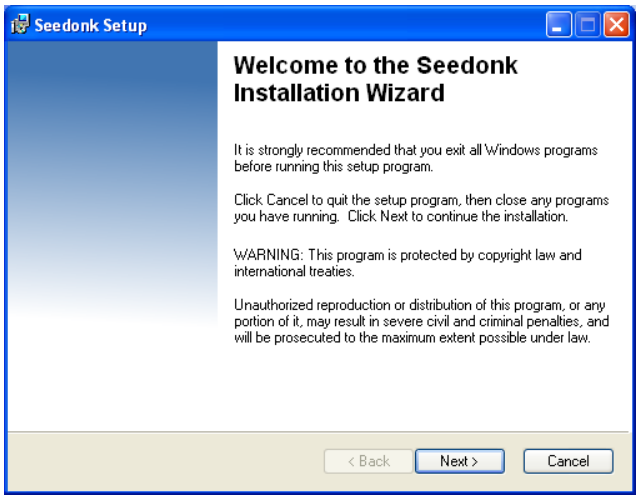

Seedonk Setup
Welcome to the Seedonk Installation Wizard
It is strongly recommended that you exit all Windows programs before running this setup program.
Click Cancel to quit the setup program, then close any programs you have running. Click Next to continue the installation.
WARNING: This program is protected by copyright law and international treaties.
Unauthorized reproduction or distribution of this program, or any portion of it, may result in severe civil and criminal penalties, and will be prosecuted to the maximum extent possible under law.
< Back
Next >
Cancel

Figure 4-8. Installing Seedonk IM

To access your camera using Seedonk IM client, double-click on the Seedonk icon on your windows desktop, and then enter the user name and password of your Seedonk account to log in to the service (If you do not have a Seedonk account, go to "http://www.seedonk.com/cxs/register.do?from=register" and continue with account registration).

The following figure shows a successful login to Seedonk IM platform. You will find your camera under "My Cameras". Double-click on any on-line camera to view its live video. For complete user guide of Seedonk IM, visit "http://web.seedonk.com/support.html".

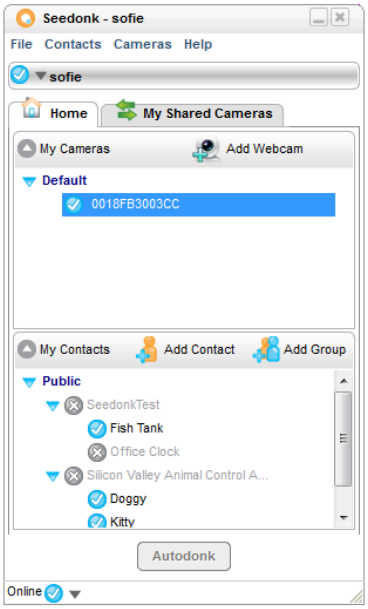


Figure 4-9. Seedonk IM

Note:
When your camera is installed in an indoor environment, live image of your network camera may appear darker than expected due to insufficient environmental lighting. When this happens, simply move your camera to a different location where lighting condition is better or turn on the back light compensation if there are lights shining behind the objects in the scene.

Chapter 5: Live View

Page Layout

On the first page, you can see the basic control panel at the top and on the left-hand side, and the live video on the right-hand side. Click on the ▲ icon to hide or show the control panels.

Figure 5-1. Layout of LiveView page for DNR-30H

1. **Left control panel** – Here provides control over video recording, voice communication, I/O, Pan/Tilt and snapshot.
2. **Video stream selection** – You can switch between Stream-1 and Stream-2. (Stream-2 can be enabled and configured in video settings.)
3. **PTZ Speed** – Set the Pan and Tilt speed from a scale of 1 to 10.
4. **Video mode selection** – Let you switch video display between single, multi, and auto scan mode.
5. **Top control panel** – Let you adjust camera video and microphone and speaker volume.
6. **Preset Point** – Changing the preset point allows you to change camera's current direction to a different one to view in a pre-defined direction. (Please configure the preset points in [Setup] > [PTZ Control])
7. **Live video window** – Live video stream. Click any spot on the video window to pan/tilt.
8. **Channel selector** – Select a channel from the drop-down list, or click on the arrow icon to switch to next/previous channel. (Maximum 16 channels)
9. **X-axis** – Click on the bar to adjust camera's position on the x-axis.
10. **Y-axis** – Click on the bar to adjust camera's position on the y-axis.

Icons on Live View Page

Top Panel

Icons seen on the top control panel:

Icon	Name	Description
	Fit Browser	One of the view size button; The **Fit Browser** button resize the live video window to fit browser window size.
	Actual Size	One of the view size button; The **Actual Size** button resize the live video window to original size.
	Brightness	Adjusts the **Brightness** of camera image as you wish. Anonymous users will need to provide user name and password of a administrator to adjust brightness setting.
	Micro-phone Volume	Use its slider to adjust the **Microphone Volume**. Click on this icon to mute the built-in microphone.
	Setup	Click on the [**Setup**] button to access the main setup page of your camera.
	Speaker Volume	Use its slider to adjust the **Speaker Volume**. Click on this icon to mute the built-in speaker.

Left Panel

Icons seen on the left control panel:

Icon	Name	Description
	Direction Control	**Direction Control** buttons include triangle buttons for rotating the camera and a home button for returning to the preset home position.You can also click any spot on the video window to pan/tilt.
	Zoom Control	**Zoom Control**: Loselessly zoom in on the screen. (Only available in motion adaptive mode). Available loseless zoom factor for DNR-30H: 1~2x.
	Patrol Mode	Use the **Patrol Mode** button to make the camera rotate through different predefined camera positions. The positions are defined in the [Setup] > [PTZ Control] > [Patrol Mode]
	Locate	**Locate** button shows your camera position on the x-axis and y-axis represented by a red triangle.
	Snapshot	Click the **Snapshot** button to take a snapshot of live view. A preview window will pop up once you hit this button (the size of the preview image is forced as 320 by 240 pixels). Right-click on the preview image and choose 'Save Image As' to save the snapshot on your PC (the resolution of the saved snapshot depends on the video resolution you configured in 'Setup').
	Com-municate	This **Communicate** button allows you to speak into your PC microphone and broadcast through camera's speaker. See "Voice Communication" section for details.
	Digital Out	Press this button to trigger the alarm and siren connected to the **Digital Out** port of your camera. Anonymous users will need to provide user name and password of a administrator to control digital outs.

Icon	Name	Description
	Record	Records live video by pressing [**Record**] button. (If your computer can not play .mkv file format, please download and install VLC media player or KMPlayer from the internet.)
	Open	**Open** a file browser to search and play back video files captured by the camera. (File format is .mkv)

Others

Other icons seen on this page:

Icon	Name	Description
	Digital Zoom	**Digital Zoom** button. Available zoom factor: 1~10x.
	Switch Channel	Click on the left/right arrow to **Switch Channel**.
	crosshair / arrow	The **crosshair** icon means when you move your cursor over a point on the live image and make a mouse click, that point will become the new center of view. The **arrow** icon moves camera view in the direction of mouse click.

Enable Digital Zoom

To enable the digital zoom feature:

1. Click on the magnifier icon located on the lower-left corner of real-time video display, and then the digital zoom control window will pop up.
2. Check [Enable Digital Zoom] option and set desired zoom ratio by dragging the adjustment bar. Then set the area to be enlarged by dragging the black square shown on preview window. Click on the [X] button shown above or press [Esc] key to save the changes and/or close the preview window

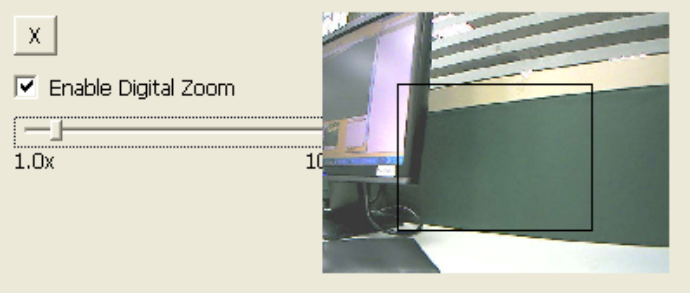


Figure 5-2. Digital zoom window

Voice Communication

Pressing the [Communicate] button allows you to speak into your PC microphone and broadcast through the camera's speaker or audio line out. To talk through the external speaker connected to the IP camera, place your cursor on the [Communicate] button (the tool tip "Right click to setup" will appear), and right-click on the button and select [Setting] to choose input device and input source.

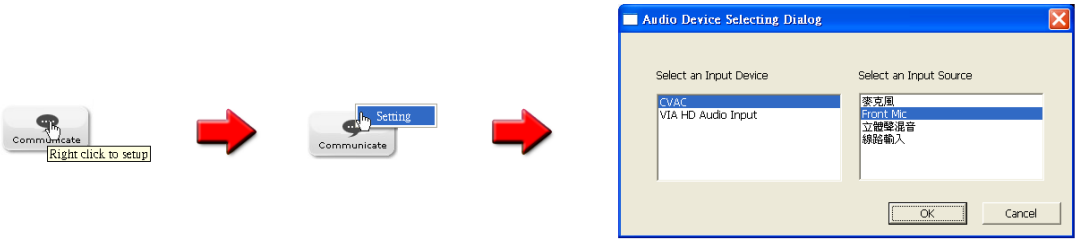


Figure 5-3. Communication setting

Having configured the device, please hit the [Communicate] button, (which then shall remain in "pressed" status for 90 seconds and automatically be released later, unless it is hit again) and talk through the microphone.

Note:
When using the voice communication feature, you may experience various degrees of delay between transmission from the computer and playback on the camera end depending on the condition of your network environment.

Chapter 6: Configuration

Main Setup Page

The main setup screen consists of all the basic settings options. To access the main setup page, click on the Setup button seen at the top-right location in the live view screen. Then the setup page as shown in the picture below will be displayed. You can configure the detailed settings of your IP camera here.

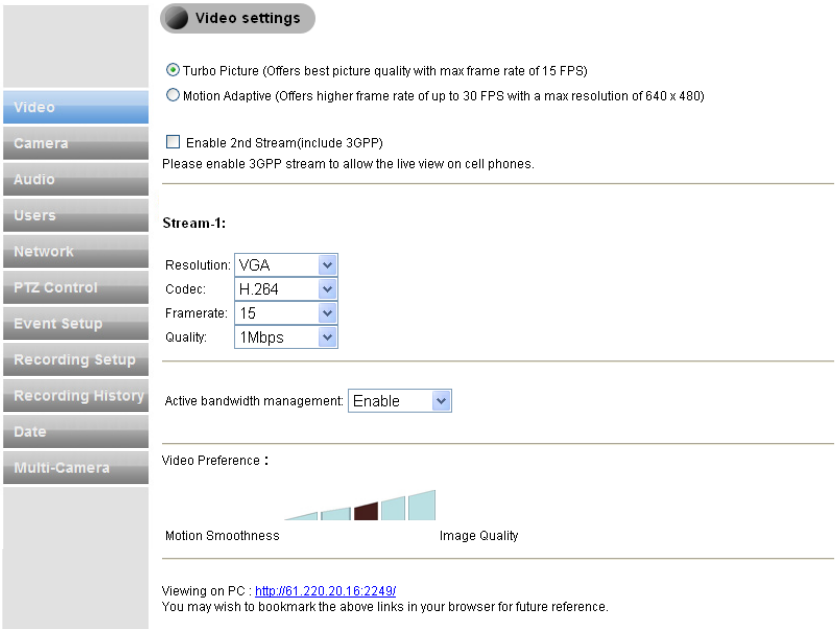


Figure 6-1. Main setup page

You also can go back to live view screen by choosing LiveView from the top menu. The top menu also allows you to go to the Event Viewer and Maintenance of the camera. The main setup menu on the left contains several parts.

Video Settings

Here you can configure the settings for video stream.

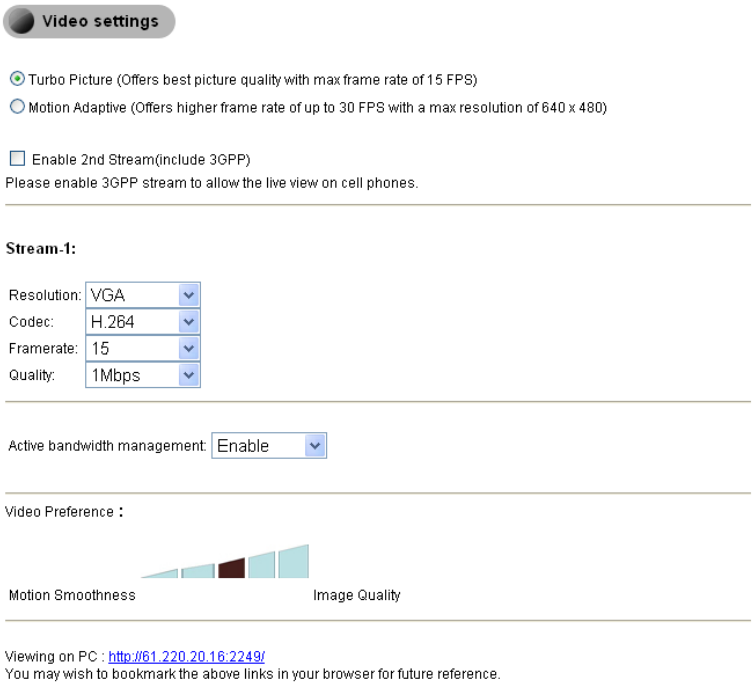

Video settings
Turbo Picture (Offers best picture quality with max frame rate of 15 FPS)
Motion Adaptive (Offers higher frame rate of up to 30 FPS with a max resolution of 640 x 480)
Enable 2nd Stream(include 3GPP)
Please enable 3GPP stream to allow the live view on cell phones.
Stream-1:
Resolution: VGA
Codec: H.264
Framerate: 15
Quality: 1Mbps
Active bandwidth management: Enable
Video Preference :
Motion Smoothness
Image Quality
Viewing on PC : http://61.220.20.16:2249/
You may wish to bookmark the above links in your browser for future reference.

Figure 6-2. Video Settings

Video Mode

You can select between Turbo Picture and Motion Adaptive mode.

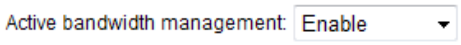
- **Turbo Picture** - This mode will provide you with the best video quality, but max. frame rate will be limited to 15.
- **Motion Adaptive** - This mode will provide up to 30 FPS at maximum 640 by 480 resolution.

Stream Setting

You can change the setting of resolution, codec, frame rate, and quality for the video stream. If you need to watch the live video on your mobile phone or PDA, please check the [Enable 2nd stream (include 3GPP)] box to enable the Stream-2 video, and the stream setting for the 2nd stream will be displayed. For available video modes for stream 1 and 2, refer to the appendix section of this manual

Active Bandwidth Management

When network congestion occurs, Storex network camera can intelligently force down current user-defined video bit rate and bring it back when healthy bandwidth level becomes available. This avoids video quality deterioration and frame dropping by restricting network camera from sending excessive amount of data while the network is already overloaded. To activate the function, select [Enable] from the drop-down list.



Video Preference

Click on the bar to set your video preference (to stress motion smoothness or image quality). The video preference bar adjusts the interval between each "I-frame" in the compressed MPEG-4/H.264 video stream. In a sequence of images, there are inserted I-frames that can show the complete representation of the picture

one sees at a particular moment. Between I-frames are what are called P-frames (which can be decompressed using the data from preceding frames) and B-frames (which utilizes the data from the preceding and following frames for achieving higher compression ratio). In essence, the shorter the interval between the I-frames is, the higher the video quality will be (motion in video will also be smoother). However, shorter I-frame interval will raise the bandwidth consumption of the video stream and lead to larger file size of the recorded clips.

Camera Settings

Here you can control the image color and related settings as well as IR light of your IP camera. All the changes you have made with regard to video properties will be reflected in the preview window in real-time.

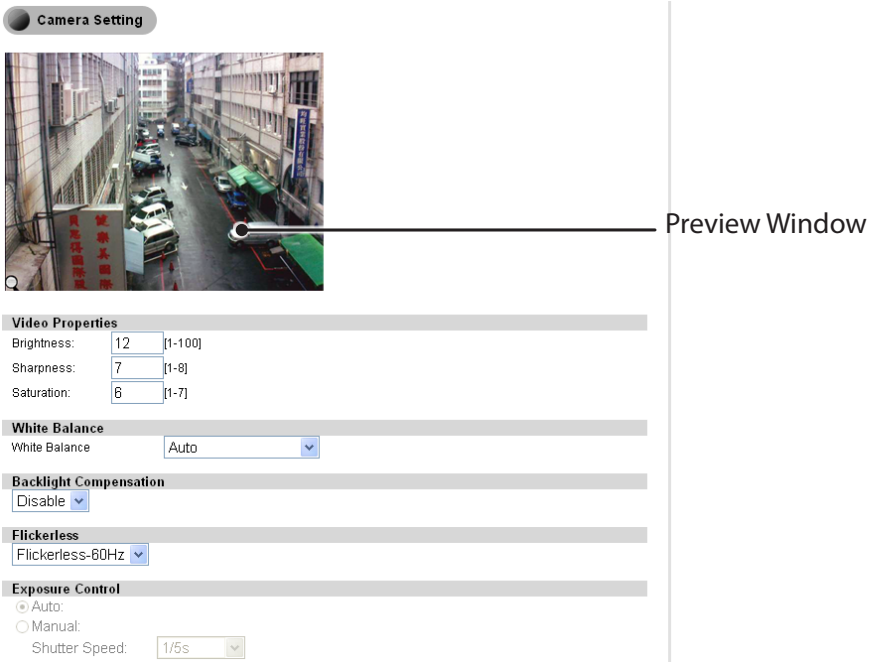


Figure 6-3. Camera setting page

Video Properties

Here you can adjust the Brightness, Sharpness and Saturation on your IP camera.

White Balance

This controls the white balance of IP camera; available selection: Auto (default), Sunny, Cloudy, Fluorescent Lamp, and Incandescent Lamp.

Backlight Compensation

This lets you turn on and off backlight compensation and select the strength of the backlight compensation , which when enabled can make the subject appear clearer in the image when the backlight is too bright or the subject is too dark. (Default: Disabled)

Flickerless

Here controls the flickerless mode: 60 (default) or 50 Hz.

Exposure Control

This allows you to control the exposure time of the camera. Default: Auto mode. You can manually set the shutter speed within the range of 1/5s to 1/16000s to suit your lighting conditions. In Auto mode, the gain

level is automatically determined by the camera under normal lighting condition. When [Auto] is selected and low environment lighting is detected, the shutter speed and gain level will be set as 1/30s and 7.5 respectively unless you have enabled the Low Light Behavior option and manually specified exposure and gain setting.

Low Light Behavior

Switching on the Low Light Behavior will produce better and clearer image when the camera detects low environment lighting. When the Exposure Control is set as [manual], the Low Light Behavior control will be dimmed and inaccessible. Here the default setting is [Off], and the shutter speed and gain level will be set as 1/30s and 7.5 by default on the condition that low environment lighting is detected. Switching on the low light behavior allows you to manually set the shutter speed and gain level in the case of low environment lighting. There are two adjustable parameters for low light behavior.

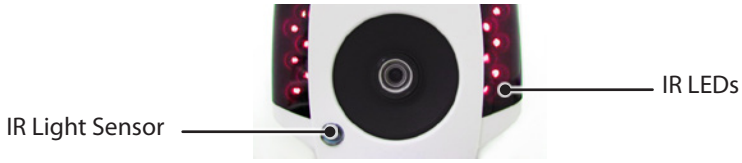
- **Maximum Exposure** - Adjust the shutter speed by selecting between "Disable" and "30 fps". Lower frame rate means longer exposure time, which allows more light to be captured by the image sensor. However if there is fast motion in the scene, increased exposure time will result in motion blurs in the captured image. Choosing [Disable] will use the default value of max. exposure and max. gain in low-light setting, which are 30 fps and 7.5 respectively.
- **Maximum Gain** - This allows you to adjust the gain level between 1 and 8.5 dB. Higher gain level increases the brightness of the picture but also increases the noise in the picture.

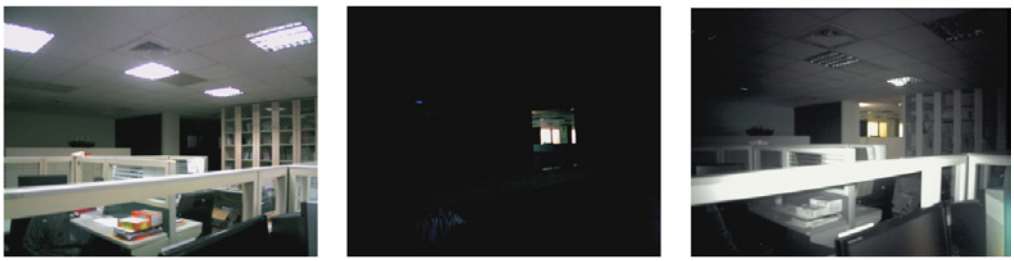
LED Indicator

This lets you control the LED indicator at the front of camera. Turn on the LED indicator or turn it off in case you don't want people to notice the camera is working.

IR Light Control

The network camera is equipped with an IR light sensor and 12 IR LEDs, which makes it capable of fitting different lighting situations and providing 24/7 monitoring.





Normal lighting (Indoor lights on) | Without IR LEDs (Indoor lights off) | With IR LEDs (Indoor lights off)

Figure 6-4. Effect of IR LEDs

The IR light sensor allows the camera to detect the lighting condition of the environment and to turn on/off the IR LEDs accordingly; you can configure the IR light operation mode to be [Auto], [Always On], [Always Off], or [By Schedule].

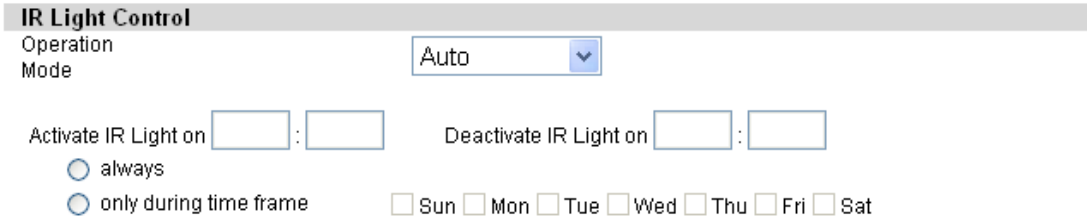


Figure 6-5. IR light control

For scheduling on/off time of the IR LEDs, you can directly input the desired open and close time, and set the repeat option to be [always] or [only during time frame]. (In this example above, the system will leave the IR LEDs on between 19:00 to 23:00 from Monday to Friday.)

Embed Text and Image

You can embed text and/or image on 4 different locations on the live screen. (Upper Left, Upper Right, Lower Left, Lower Right). To embed image, click on the Upload Image link and choose a suitable image. (Limited to JPEG/BMP, 100x30 pixels, 128KB) To remove an embedded image, press the Clear button.

Flip Mode

Enable this option will flip the image vertically, making the image rotated 180 degrees. Enable this setting when you need to reposition your camera from standard position to ceiling mounting position.

Smart Focus

Choose [Indoor] or [Outdoor] based on the characteristics of your monitored scene. Choosing [Indoor] option will bring about refocusing upon small changes in the scene. Choose [Outdoor] when your camera is installed at a location overlooking a wide area and scene changes are expected.

Audio Settings

Here you can choose to enable or disable the audio and also adjust the volume. The Stream-2 audio is only available for adjustment when you turn on the 2nd Stream and check its 3GPP mode option under video settings.

Figure 6-6. Audio settings page

User Settings

Here you can add, modify or remove viewers/administrators. The viewers are only allowed to view live video and can't change any of the camera settings. On the flip side, the administrators have the rights to make any changes.

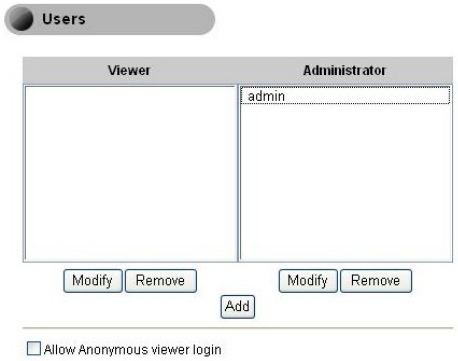


Figure 6-7. Users Setting

- **Modify/Remove** - Click here to Modify or Remove an existing viewer.
- **Add** - Click here to add new viewer or administrator
- **Allow anonymous viewer login** - Click here to allow anonymous viewer login without requiring user name and password, but only to allow them to view the live video.

When you add new users, you need to provide the information on user name, password and group type.

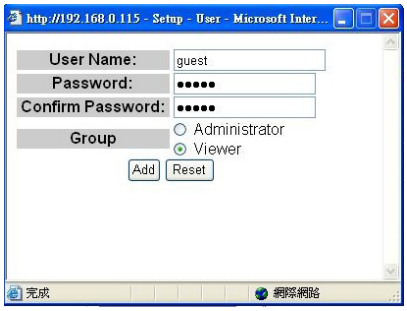


Figure 6-8. Adding/Modifying user

Network Settings

Here you can check your network settings and adjust the detailed settings.

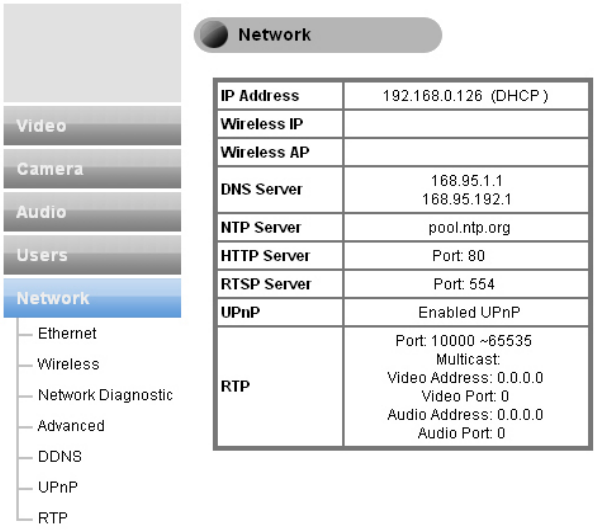


Figure 6-9. Network settings

Ethernet

Set up the IP address for the IP camera to obtain IP address via DHCP (recommended), or use the manually inputted static IP address, or obtain IP address via PPPoE for which you need to provide valid user name and password.

Wireless

If you have installed the Storex wireless adapter on your IP camera, you can set up the wireless connection in this page. To connect wirelessly, please check the [Use Wireless First] box to give priority to wireless connection when LAN network is also connected. And then provide the necessary information on IP address (to obtain IP address via DHCP or use specified static IP address) and access point. And click [Save] to save the changes.

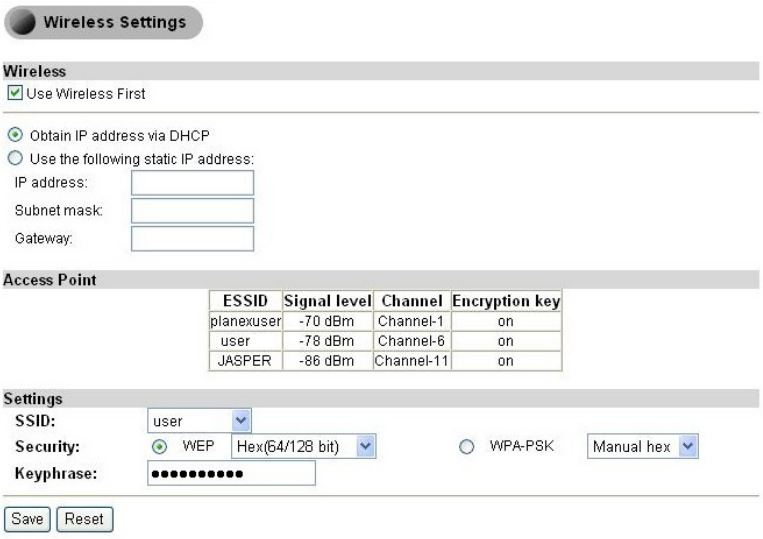


Figure 6-10. Wireless settings

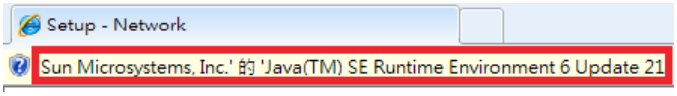
Network Diagnostic

Here you can run the diagnostic tool for your current network settings and it will show error messages if any anomaly is detected. For further information on error messages, please refer to the FAQ section in this manual or visit "http://ipcam.storex.eu" for more information.

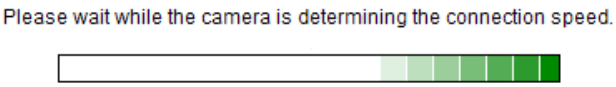
Network Bandwidth

This automatic network connection speed detection is to help users better define appropriate video bit rate for their applications. To perform network bandwidth test:

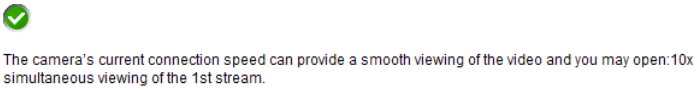
1. In [Setup] > [Network], click on [Network Bandwidth] located on the left menu to start.
2. Wait for Internet Explorer to prompt for the installation of Java plug-in. Then click on the text to accept.



3. Camera begins detecting connection speed.



4. Once speed diagnostics is done, camera will advise current user on network speed. See below example:


The camera's current connection speed can provide a smooth viewing of the video and you may open:10x simultaneous viewing of the 1st stream.

The message indicates that currently connected network has a bandwidth to support up to 10 network cameras of identical bit rate settings (either on Stream 1 or Stream 2). If the message shows a less favorable result, go to [Setup] > [Video] to lower current video bit rate values

Advanced

Adjust the advanced network settings here.

DNS server

Set the DNS server address to be via DHCP or choose to use user-specified DNS address.

NTP Configuration

Set the NTP (Network Time Protocol) server address to ensure the clock of the camera system is synchronized to show accurate time. To synchronize camera clock via NTP server, choose either to obtain NTP server address via DHCP server whose address needs to be provided manually, or to use an external/ public NTP server whose default address is set as pool.ntp.org.

HTTP server

Set the HTTP port for your IP camera to be viewed and controlled from the internet. The default port is 80. Valid port numbers are between 1 and 32767. If you need to use port forwarding, please refer to the Port Forwarding section in this manual.

RTSP server

Set the RTSP (Real-Time Streaming Protocol) port for your IP camera to enable the support of 3GPP streaming for mobile phones. Default: 554. If you need to use port forwarding, please refer to the troubleshooting section for port forwarding setup.

DDNS

Click here to enable the DDNS (Dynamic Domain Name Service) service if you are using floating/dynamic IP and want to tie your camera's current IP address to a domain name. And instead of remembering a string of IP address, you can use the easier-to-remember domain name to access your camera over the Internet. If you already have an account with DynDNS or no-ip, you can also input its domain name here for easier access to your IP camera.

UPnP

Check here to enable/disable the UPnP feature on your IP camera installed on your local network. Also, you can change the device name here. If your operating system supports Universal Plug and Play (UPnP™) feature and DHCP is in use on current network, the Storex IP camera will be automatically detected and added to My Network Places on your Windows. If you want to use the IGD (Internet Gateway Device) protocol on your IP camera, please check the [Enable IGD] box to enable it.

Note:

If you want to enable the UPnP™ service on your Windows, please execute the "Add or Remove Programs" item found in "Control Panel", and after "Add or Remove Programs" window appears, click on "Add/ Remove Windows Components" and double-click on "Networking Services" item and check "UPnP User Interface" box and proceed to install the component.

RTP

If you want to broadcast video using RTP (Real-time Transport Protocol), you can set up the port range, video/ audio address and port number here.

PTZ Control

Here you can manage your camera's preset view points (or positions). And configure the patrol mode to let the camera patrol the preset positions.

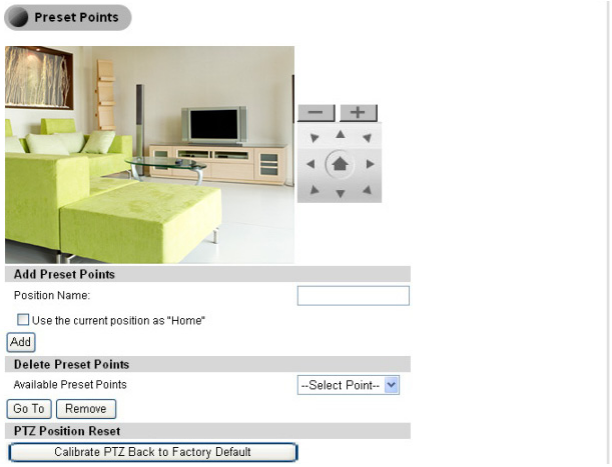


Figure 6-11. PTZ control page

Preset Points

Add Preset Points

Firstly use the arrow buttons to move the IP camera to the desired position. And then type the name into the [Position Name] field, and press the [Add] button. If you would like to set the position as preset Home position, please check [Use the current position as "Home"] button. The Home position can be accessed on the live view page by pressing the Home button. If you want the camera to always return to home position after a position change, check [Auto return to "Home" position] , input the period of time (between 30 to 300 seconds) in which the camera stays in the new position, and press [Save] button. Then whenever the camera changes to a new position, it will automatically return to its Home position after this period of time expires.

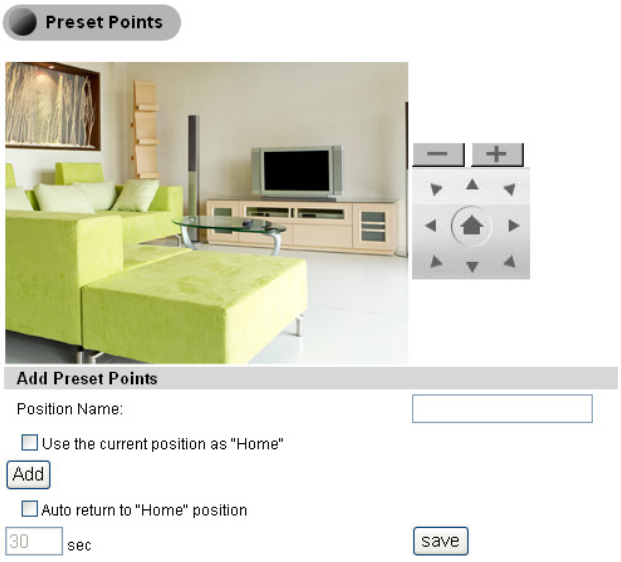


Figure 6-12. Add preset points

Delete Preset Points

If you would like to delete a preset point, please select a preset point from the "Available Preset Points" list. Before you press [Remove] to delete the selected preset point, you can click [Go To] button to move the camera to the selected position and check the view in the preview window.

Figure 6-13. Delete preset points

PTZ Position Reset

Here it allows you to move the camera view to the preset position. There are two reset buttons:

- **Calibrate PTZ Back to Factory Default** - Press here to calibrate Pan/Tilt position back to factory default.
- **Reset PTZ Home Position Back to Factory Default** - Press here to reset camera's Home position to factory default.

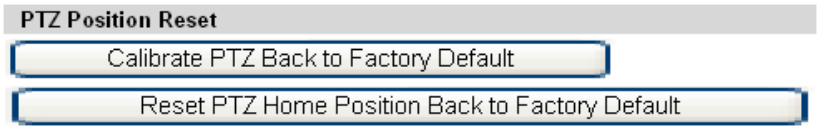


Figure 6-14. Delete preset points

Patrol Mode

Patrol Ordering

After you have created preset points, you could then configure how much time the camera will stay on each preset position when in patrol mode. To set the patrol order, check and select preset positions from the drop-down list, and then enter the duration for each checked and selected preset position. Pres [Save] to apply settings.

Figure 6-15. Patrol ordering

Patrol Speed

Here you can configure the PTZ camera patrol speed to be fast, medium, or slow. After you have chosen a speed setting, please press [Save] button.

Event Setup

When an event happens, like detected motion or triggered I/O device, a snapshot can be instantly sent to your E-mail account, ftp server, image server, notification server, HTTP server, or SMS recipient to warn you about what's happened. In order to properly set up the event function, you must:

1. First set up the event server based on your needs: E-mail, FTP, Image or NVR Station Notification.

2. Once the event servers are configured, you can then go to the trigger setup to configure the type of event, motion, schedule and the associated even actions.
3. In the motion detection page, you can set up the region and the sensitivity for detection.
4. If you want to use the I/O input, please connect the I/O devices before event setup.

Event Server Setup

Here provides the configurations of 6 different event servers including E-mail, FTP, Image or NVR Station Notify, HTTP, and SMS. Please click on the event server you want to configure and input necessary information.

Email Server

This supports standard SMTP on SSL-protected webmail platforms such as Hotmail (Windows Live) and Google Mail (Gmail). To use this function, in [Event Server Setup] > [Email Event Server Setup], enter their SMTP address and SSL port respectively. Then enter your user name and password, and the E-mail subject as you wish.

As of August 2010, SMTP and SSL settings for Hotmail and Gmail are as follows:

Platform	SMTP	SSL
Hotmail	smtp.live.com	587
Google Mail	smtp.gmail.com	465

Table 6-1. Webmail setting

In [Authentication Method], select [Login]. Enter a complete email address in [User Name] field: xxxx@xxxx.com. Other SSL webmail platforms are not tested.

FTP server

Here it provides the settings of the FTP server that can be used to store event snapshots taken by the camera when triggering of an event is detected. To start saving snapshots to a FTP server, click on the text link to set up the FTP server. Ensure that you have put in correct server information before saving the chanegs. You may try using the default FTP port number, 21, if you don't know the server's port number. After that, set up the image server and then go ahead to create an event trigger and choose "FTP" as one of the event actions. (Depending on your network environment, it may take a certain amount of time to upload snapshots to the FTP server.)

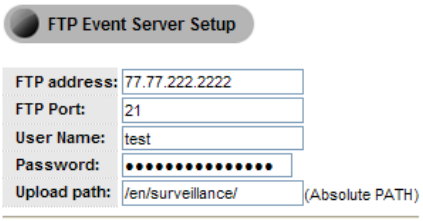


Figure 6-16. FTP server setup example

Image server

This page allows you define the naming rules of the snapshots taken by the camera and saved to the server or SD memory card when an event is triggered.

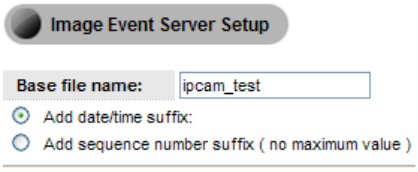


Figure 6-17. Image server setup example

Notify server

This function is meant for integration with NVR Station, which is 32-channel video management software. Here you put in the IP address of a PC running the NVR Station program, and then you set up event detection and event trigger, and choose "Notification" as an event action. Later when an event is triggered, the camera can notify the PC running NVR Station that an event has been triggered, and the NVR Station can then sound alarms, start recording, etc., in response. The advantage of using this function is that it allows you to move some workload of doing video analytics from the PC running NVR station to the edge devices such as IP cameras. So the video analytics and event detection would not take up too many CPU resources on the PC running video management software like NVR station.

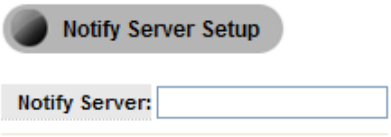


Figure 6-18. Notify server setup

HTTP server

If available, enter the address of your NVR's HTTP server. The HTTP URL entered here is meant for the camera to use HTTP protocol to send a notification message to your network video recorder's HTTP server when unusual events are detected by the camera. The NVR can then respond to the notification message.

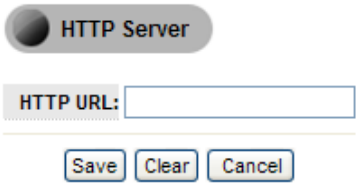


Figure 6-19. HTTP server setup

SMS server

Here provides the configuration for SMS notification feature that allows the camera to send a SMS (Short Message Service) alert message to one or more pre-defined recipients when a pre-defined event scenario is being triggered. This feature does not require additional hardware GPRS modem and SIM card installed. Users only need to first apply an account with a third-party, web-based SMS gateway service provider. To properly configure SMS server:

1. Under [Setup] > [Event Setup] > [Event Server Setup], click on [SMS server] to start configuration.
2. Provide the required data for the following field:

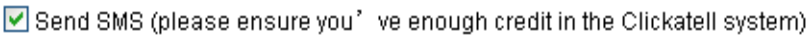
Field	Description
Service provider	Default: Clickatell
User name	User name registered at Clickatell

Field	Description
API ID	API ID provided by Clicktatell
Target country	The country code for recipient's mobile phone number
Target cell phone	Recipient's mobile phone number

Table 6-2. SMS server setting

If you do not have a Clickatell account yet, please visit [www.clickatell.com], and under [Login] > [New Customer] > [Product Selection], choose [Clicktall Central (API)] and proceed to obtain an API ID according to its online instructions.

3. Choose [Next] to save the setting.
4. Customize the SMS message content if wanted. Choose [Next].
5. To receive a test message, click on [Send me a SMS message to the SMS Gateway]. Or choose [Finish] to save the configuration.
6. To enable SMS notification, go to [Setup] > [Event Setup], and click on [Trigger Setup] to create a new event trigger or modify an existing one. Then under [Event Actions], check [Send SMS] and choose [Finish].



Note: You must have enough credit at Clickatell in order to send SMS message.

Trigger Setup

You can create, modify, or delete event triggers and set the trigger mechanism to be by Schedule, Motion/ Audio Detection or I/O ports. When creating an event trigger by schedule, you can set up scheduled time and period. When setting event trigger as by Motion Detection, you can select the trigger area defined in the Motion Detection setting. You can also select the I/O port to be triggered. After finishing setting event trigger, click [Next] to select event actions so your camera will take snapshots, send e-mails, upload images to ftp, or sound warnings via the digital output port.

Motion Detection Setup

Motion detection feature provides a selection of 3 regions for motion detection. You can directly click and drag on the preview screen to set a detection region. Prior to that, please select the region (0, 1 or 2) and the sensitivity level (S1: Lowest, S2: Low, S3: Medium, S4: High, S5: Highest) from their drop down list. Press [Save] button for the settings to take effect.

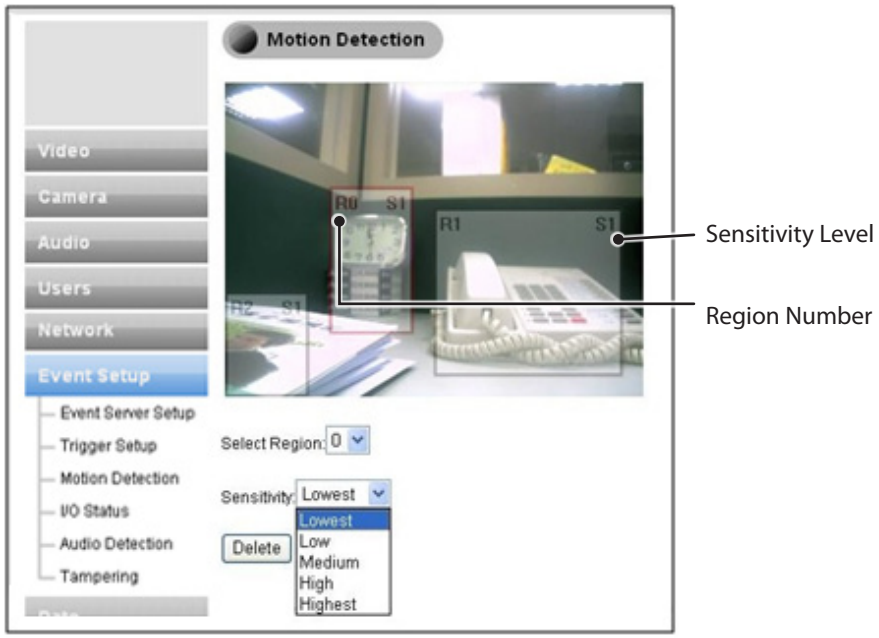


Figure 6-20. Motion detection

If you want to remove a set region, please select the region number and click [Delete] to delete it.

Note:
If you want to record video onto SD card whenever motion in the scene is detected, you need to set at least a motion detection region before setting up event-based recording in Recording Setup.

I/O Status

Here displays the status of your I/O port for your reference.

Audio Detection

Configure the sensitivity level in audio detection used by event trigger. Available options: low, medium, high.

Recording Setup

In addition to the capability of storing event snapshots to local SD Card slot (card not included), this camera also supports storage of video clips (audio may be included if enabled) to the local storage device. To configure the recording function, go to the main setup page and click [Recording Setup]. Then follow the steps below.

1. Recording Setting: Here it displays the status of your SD card among other options. Click [Next] to proceed.

SD Card Status	Status verification
SD Card Capacity	Show available and total space in the card
Format	Click to format SD card
Enable Recording during network failure	Check to allow forced recording to SD card when network connection fails

Table 6-3. SD card setup

2. Event Selection: Click on [Next] to set up recording methods: "Event-based" or "Disable Recording."

   Event-based Recording: Start recording when motion, audio and I/O are triggered (multiple choices). Recording length: 60~3,600 sec, default 60 sec.

   Disable Recording: Turn off recording function.

Having made your settings, press [Save] button to save your settings. To playback the recordings stored on the SD card, go to [Setup], and click on [Recording History] located on the left menu.

Note:

- This Storex IP camera uses a First In First Out storage method.Once the SD card is full, the oldest file will automatically be overwritten.
- If you want to record video clips of detected motion to SD card, you need to set at least a motion detection region before setting up event-based recording in "Recording Setup."

Recording History

Recording History lets you manage the video clips that have been recorded and stored on SD card by the camera. You will also see a playback menu as shown below.

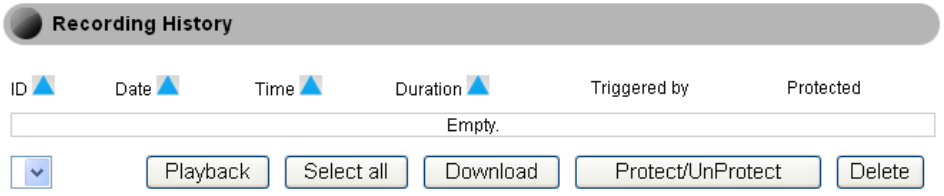


Figure 6-21. Recording history

Figure 6-22.

To play a video clip, first select a video clip on the list and press [Playback]. (File format: AVI)

Function Key	Description
Playback	Click to download then playback
Download	Click to download the video clip on your PC
Protect/Unprotect	Selected clip(s) will never be erased
Select All / Deselect / Delete	File management

Table 6-4. Management of recording history

Date Setup

Here displays the current time information stored in your IP camera, and you can set up the Time Zone for your current region or country, get time information from NTP server, and synchronize the clock of your camera system with your PC or manually adjust system clock.

Multi-Camera

Here you can add, modify, or delete additional IP cameras on your camera list, and later switch between camera channels listed here on LiveView screen. When you add a new IP camera, you need to input the required information into the IP address, username, and password field (port numbers may be required if they have been different). After pressing the [Save] button, you will see the status of the cameras on the list. To modify an existing camera, simply choose a camera from the list and click [Modify].

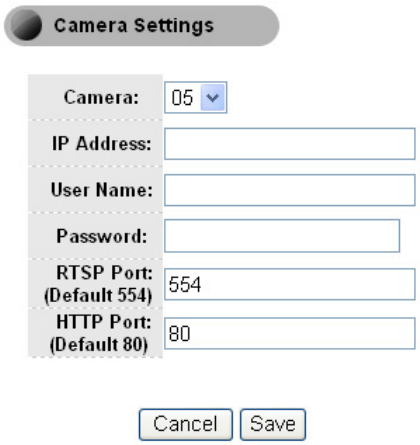


Figure 6-23. Multi-Camera setting

Chapter 7: Event Viewer

Event History

Here displays the history of past events successfully triggered by motion, I/O, schedule, audio detection, tampering, or loitering (types of events depend on camera support). Click on any type of event trigger to view its history. Or click on the image link, if any, to view the snapshot taken at the occurrence of a pre-defined event.

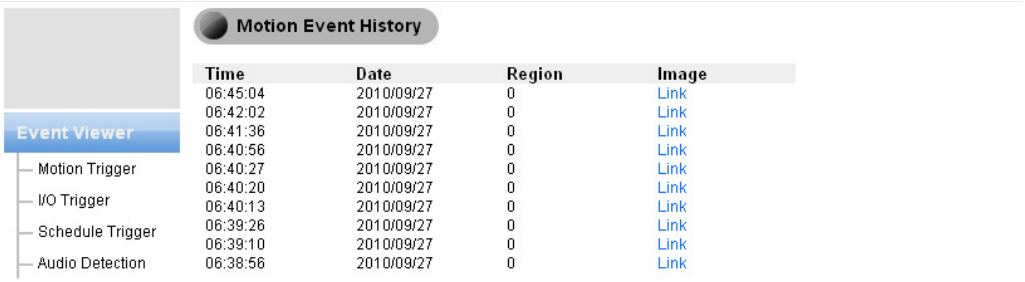


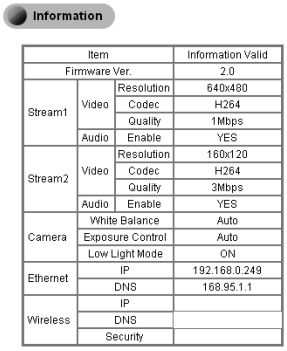
Figure 7-1. Event Viewer

Chapter 8: Maintenance

Here provides the current information about your IP camera and the access to history log as well as system maintenance page.

Information

Here you can check the firmware version as well as various settings of your IP camera .



Item			Information Valid
Firmware Ver.			2.0
Stream1	Video	Resolution	640x480
		Codec	H264
		Quality	1Mbps
	Audio	Enable	YES
Stream2	Video	Resolution	160x120
		Codec	H264
		Quality	3Mbps
	Audio	Enable	YES
Camera	White Balance		Auto
	Exposure Control		Auto
	Low Light Mode		ON
Ethernet	IP		192.168.0.249
	DNS		168.95.1.1
Wireless	IP		
	DNS		
	Security		

Figure 8-1. System information

Log

Here you can check the system log of your network camera. Press [Clear Log] to clean up system log.

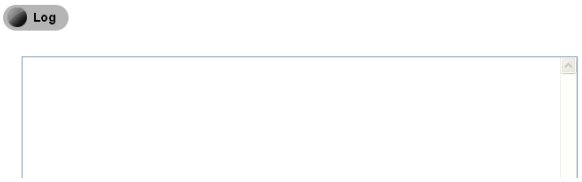


Figure 8-2. System log

Maintenance

You can reboot your IP camera, change UI language, export/import user profile, reset to factory default settings, or update camera firmware (please download the latest firmware from Storex website first).

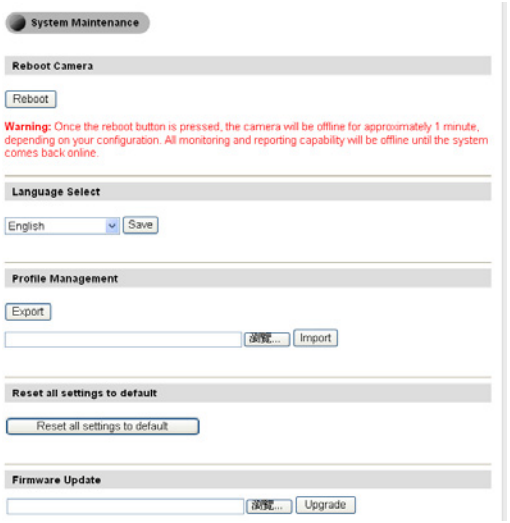
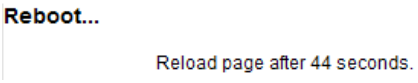

System Maintenance
Reboot Camera
Reboot
Warning: Once the reboot button is pressed, the camera will be offline for approximately 1 minute, depending on your configuration. All monitoring and reporting capability will be offline until the system comes back online.
Language Select
English
Save
Profile Management
Export
Import
Reset all settings to default
Reset all settings to default
Firmware Update
Upgrade

Figure 8-3. Maintenance page

Profile Management

The profile management feature allows installers and users to set up more than one camera of similar configurations at great ease. After the current camera is properly configured, users can export current camera's configuration to a profile on PC and then load it into other cameras, thereby making least changes possible like changes on IP address or a few other settings that might need to be modified individually when configuring a newly added camera. In addition, this feature can also be considered as a backup mechanism for future service need.

1. After the current camera is properly configured, go to [Maintenance] > [Profile Management], and click on [Export] to download camera profile to a user-specified location.
2. To load an existing profile into a different camera, log in to the maintenance page of a different camera, press [Browse…] and locate the profile you wish to load, and then click on [Import] to proceed.
3. Camera will start to reboot, which will take approximately 60 seconds to complete. Do not interrupt browser action during the process as doing so may cause problems to your camera system.



Caution!
you may only cross-import profile among identical camera models.

Reset All Settings to Default

This will reset IP camera to its factory default settings, producing the same result as pressing the hardware reset button at the back of camera. If you need to perform hardware reset, refer to the Troubleshooting chapter.

Firmware Update

After downloading the firmware, please log in to the setup page of your IP camera and click [Maintenance] on the top menu and then look for firmware update section. Press the [Browse] button and locate the downloaded firmware file and press [Upgrade] button to update camera firmware. Once the update process begins, it must not be interrupted.

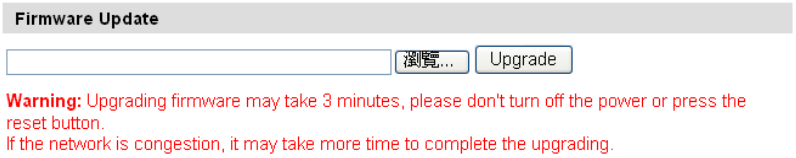

Firmware Update
瀏覽...
Upgrade
Warning: Upgrading firmware may take 3 minutes, please don't turn off the power or press the reset button.
If the network is congestion, it may take more time to complete the upgrading.

Figure 8-4. Firmware update

If you log in to the live view page after camera is rebooted and find that some icons are in the wrong place. Try pressing [Ctrl] + [F5] to force a cache refresh of your browser.

Caution!
Before updating firmware, please close all other browser windows and background applications that are consuming network bandwidth.

Chapter 9: Troubleshooting

During the course of installation, you may encounter various issues in regard to the usage of the camera. The following section contains some troubleshooting procedures to help you solve the problems.

Reconfiguring Your Device

Anytime you need to re-configure your IP camera, you can simply double-click on the iWizard icon (or tap Start > Programs > NVR Station > iWizard) to open the iWizard configuration tool. During the configuration, the iWizard will automatically scan for all of the available Storex IP surveillance products installed on your LAN network (even if they are not on the same subnet). The scanning generally takes around 1 minute to complete, and once the scanning completes, you will see the available IP cameras populating the list.

Figure 9-1. Camera selection

Cabling Check

If you didn't see your IP camera on the connected device list in iWizard, go through the following steps to check your cabling.

1. Check that the IP camera has been connected to the LAN network and has been powered on for over 1 minute.
2. Check if your computer has a successful connection to the network.

Computer is connected	Computer is not connected

Table 9-1. Windows network connection

Note:
You can check the status of your router connection by logging onto your router's maintenance page.

Reset to the Factory Default Settings

If you forget your system password or if you feel your IP camera has been acting weird, you can follow the steps below to reset the camera to its default state in which it will be using the Ethernet port for connection and obtaining IP from the available local DHCP server. To reset the camera:

1. Press and hold the reset button (located rear panel) for about 10 seconds; when successful, you shall see the Status Indicator go off.
2. After about 5 more seconds, the Status Indicator comes on again. It means that the IP camera has been successfully restored to the factory default settings.
3. Please re-configure the Storex IP camera using the iWizard.

Once the camera is reset, it takes 1 minute to reboot. Please wait and start the IP Camera Utility later again to scan for the camera.

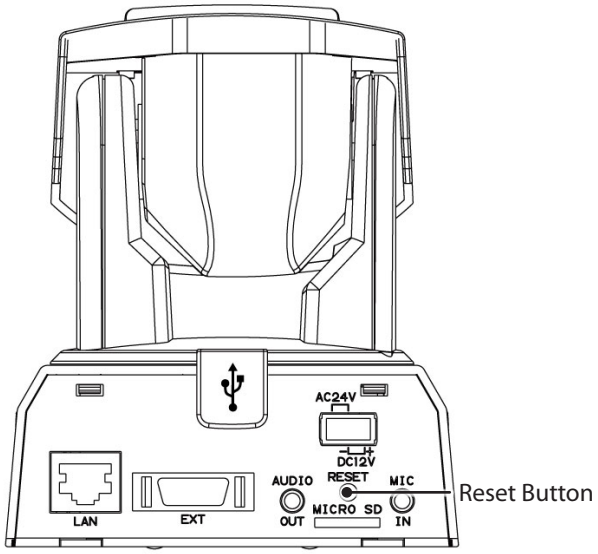


Figure 9-2. Reset button

Trouble with the ActiveX Client

Once you launch the Internet Explorer and enter the camera's IP address in the address field, you'll be asked for the user name and password combination (the default is admin/admin, case sensitive).

Note:
The ActiveX component developed by Storex currently only runs on Microsoft Internet Explorer 6 or greater. It does not function on other web browsers for the time being.

No user interface in the browser:

This could be related to three possible causes.

1. ActiveX was not installed: Please install the ActiveX component by following the instruction on the screen. This component must be installed. Otherwise you will not have access to the user interface.

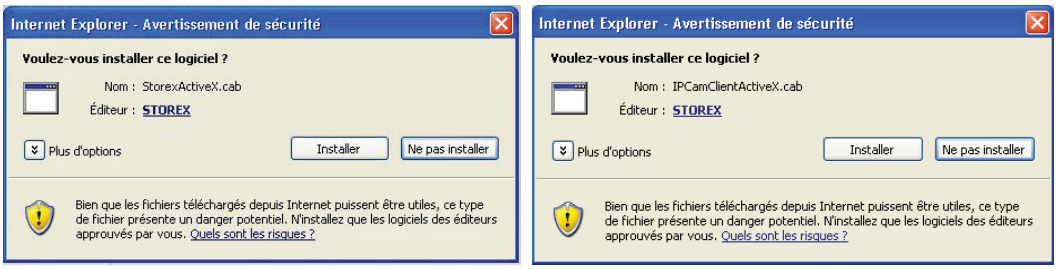

Internet Explorer - Avertissement de sécurité
Voulez-vous installer ce logiciel ?
Nom : StorexActiveX.cab
Éditeur : STOREX
Plus d'options
Installer
Ne pas installer
Bien que les fichiers téléchargés depuis Internet puissent être utiles, ce type de fichier présente un danger potentiel. N'installez que les logiciels des éditeurs approuvés par vous. Quels sont les risques ?
Internet Explorer - Avertissement de sécurité
Voulez-vous installer ce logiciel ?
Nom : IPCamClientActiveX.cab
Éditeur : STOREX
Plus d'options
Installer
Ne pas installer
Bien que les fichiers téléchargés depuis Internet puissent être utiles, ce type de fichier présente un danger potentiel. N'installez que les logiciels des éditeurs approuvés par vous. Quels sont les risques ?

Figure 9-3. ActiveX installation

2. ActiveX was installed but not enabled: Ensure that the ActiveX had been correctly registered with your Internet Explorer. Please check that you've got both the "IPCamClientActivex" and "StorexActiveX" control components registered and enabled under Tools -> Manage Add-ons.

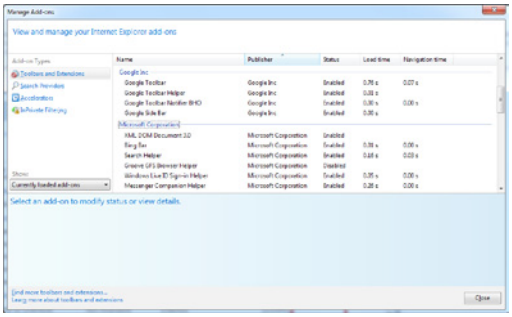


Figure 9-4. Add-on management

3. Inappropriate browser security setting: Please ensure that your security setting in Internet Explorer allows the installation of ActiveX component by adding the IP address of the camera to the list of trusted sites in Internet Explorer.

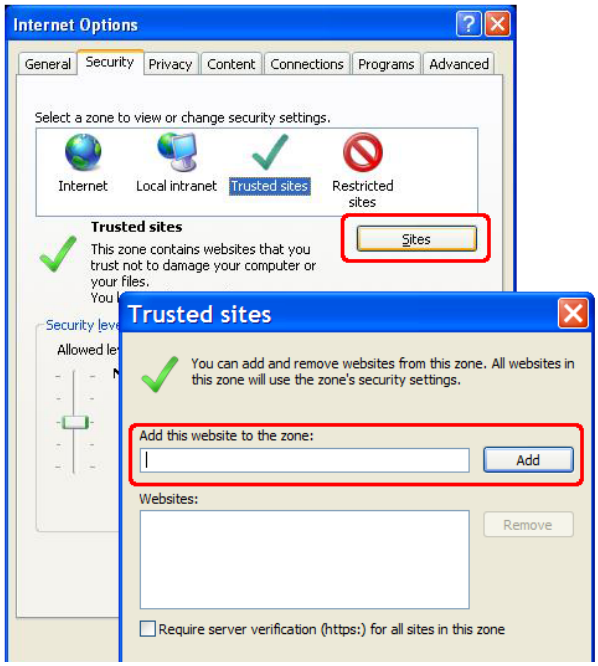


Figure 9-5. Browser security setting

If you've gone through all of the above steps but are still unable to obtain video/audio on the browser, please close all the browser windows and delete the "Storex Embedded" folder found under "(OS Drive):\Program Files". (If you're using 64-bit windows, look for "(OS Drive):\Program Files (x86)".) And open your web browser and log in to the IP camera again to reinstall the ActiveX client. Finally, if you encountered the error where the browser returns "213 file not found", please restart your computer, which should help in this situation.

Trouble with Remote Viewing on Browser

You can view your camera video remotely over the Internet. If you have problem in remote viewing, refer to the section below for preliminary troubleshooting.

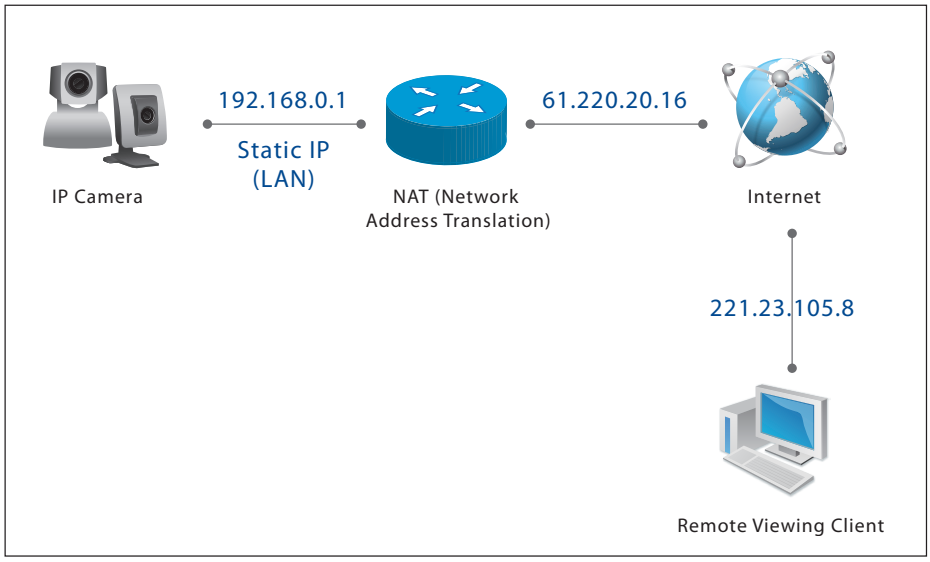


Figure 9-6. Remote viewing via browser

The figure above shows a typical connection setup in which:

- the IP camera has a static virtual IP address of 192.168.0.1
- the WAN IP address at the IP camera site is 61.220.20.16.
- the client (user) is trying to receive the video / audio stream remotely.

To successfully view the live video streamed from the IP camera, you need to:

1. Ensure that the camera's image quality setting stays within the bandwidth limit of your local network. You can check the camera's image quality setting in [Setup] > [Video]. If your quality setting exceeds your upstream bandwidth limit, you will experience stuttering video or black and blank screen.

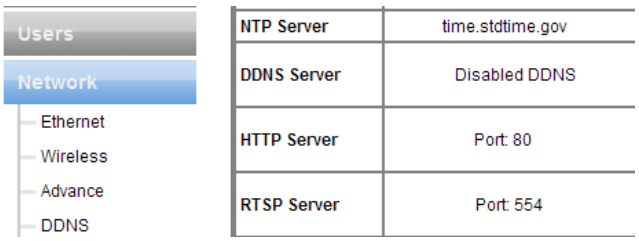


Figure 9-7. Advanced network setup

2. Check the ports used by the camera in [Setup] > [Network] and note down the HTTP and RTSP server ports, in this case, ports 80 and 554 respectively.
3. Enable port forwarding on the router and allow traffic on ports the IP camera is using. You may need to consult the manufacturer of your router for setting details. Note: Your router may require a reboot after port forwarding is set. The following figure exemplifies the settings you need to make in order to remotely view the IP camera.

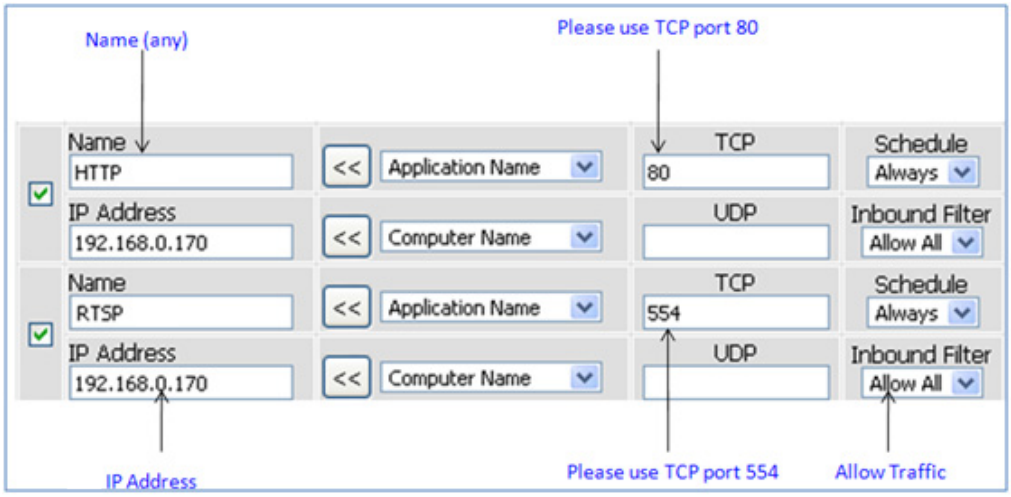


Figure 9-8. Port forwarding

Having taken the above steps, you should be able to log in to the IP camera from a remote location by entering the DDNS address or the static IP address in the location field of a web browser (depending on your configuration). For example, in this case, you should enter "http://61.220.20.16:80" into the location field of Internet Explorer to access the IP camera.

Important:

- If you have multiple IP cameras installed on a network, you will need to change the HTTP and RTSP port on them manually so each one of them will use a different port. E.g. changing the HTTP and RTSP port for the 2nd device to 81 and 555 respectively and accessing the 2nd device by logging on to http://61.220.20.16:81.
- When configuring port forwarding/mapping on your router, note that the public RTSP port must be qual to the internal RTSP port used by the IP camera. For instance, if the IP camera uses RTSP port 554 internally, then its mapped public RTSP port on the router should be 554 too. Though the same does no apply to the camera's HTTP port. The camera using HTTP port 80 can have 8080 as its mapped public HTTP port on the router.

Symptoms, Causes and Solutions

Listed below are some other frequently asked questions and their answers.

Symptom	Possible Cause/Solution
Problem accessing on the LAN network using web browser.	**The camera is not powered on.** Make sure the camera has been powered on for over 1 minute and its LED status indicator is lit.
	The Ethernet cable is not firmly connected to the camera. Check if the Ethernet cable is securely connected to the Ethernet port of the camera and to the network switch. When the camera has successfully established connection, the LED status indicator appears blue.
	The entered IP address is incorrect. Check if the IP address you entered matches the IP address of your camera. If you are certain that your camera is configured with the same subnet mask as that of your PC, you can first disconnect other cameras, and then run the iWizard to scan the camera on your network. You shall then see the camera's IP address on your network. (Note if you are running Windows 7/ Vista, you need to run iWizard tool with system administrator rights. Simply right click on the iWizard icon on your desktop, and select "Run as administrator") If you're not sure whether your camera is on the same subnet with your PC, reconnect your camera to your PC directly (configure the IP address of your PC as 192.168.0.X), and run iWizard again to reconfigure its subnet address to match that of your PC. Then reconnect it back to the router and run iWizard again.
	The viewing PC is not connected to the LAN network. Check if your viewing PC has a successful connection to the LAN network on which the camera is installed. You can open a command prompt window (by pressing Winkey + R and input "cmd" and hit OK) and then input "ipconfig" and press [Enter]. When your PC is connected to the network, it will display information on your IP address, subnet mask, etc.
Problem accessing via wireless connection	**The wireless connection is broken.** If you intend to access your camera by way of wireless connection, please check that: 1. the IP camera is connected to the correct wireless access point. 2. you have correctly set the encryption type and key for the wireless connection. If you didn't use a router on your network, the default IP address for the camera will be 192.168.0.128. You can check the status of the connection by logging on to your router's maintenance page or page titled with similar wording. Consult with the manufacturer of your router for detailed instruction.

Symptom	Possible Cause/Solution
Successful login to the camera but no image is displayed	**The Storex ActiveX component is not installed.** If you are viewing the camera video on Internet Explorer, make sure you have installed and enabled Storex ActiveX component. Open your Internet Explorer browser and go to [Tools] > [Manage Add-ons] and check that you've got both the "IPCamClientActivex" and "StorexActiveX" control components registered and enabled. Refer to the "Trouble with the ActiveX Client" section of this manual for further help.
	The VLC plugin is not installed for non-IE browser. If you are viewing camera video on Firefox, Safari, or Chrome, make sure your VLC plugin is properly installed. (Visit www.videolan.org/vlc/ to download the codec.)
Successful access on local network but having problem accessing from Internet.	**The entered hostname/WAN IP address is incorrect.** Make sure you entered the correct hostname (if you use DDNS) or the WAN IP address of your camera in the location field of the web browser.
	The LAN network is not connected to Internet. You need to have access to the Internet when trying to view your network camera remotely. Equally, your camera installed on a LAN network also needs to have access to the Internet for your camera to be accessed remotely. Check if you can browse the Internet on your LAN network. If not, contact your network administrator for assistance.
	The camera's WAN IP address has changed but yet to be updated into DNS cache. If you use DDNS service, the information of your camera's IP address and the domain name the IP address is linked to is stored in the DNS cache. The cache is used to retrieve the IP information by the DNS server which translates entered hostname into the camera's IP address. Though the information is updated every few minutes (determined by the value of TTL, Time to Live), occasionally the DNS information changes (e.g. your camera acquires new IP) but the old information is still stored in the cache, resulting in connection failure. When this happens, try waiting a few minutes for the new IP information to be updated onto DNS server and then retry connection, or try to decrease the TTL value. If it still doesn't work, refer to other possible causes and solutions, or contact Storex for technical support.
	The router's configuration does not allow incoming traffic to the camera. If you want to make your camera located on a LAN network accessible from the Internet, you need to enable port forwarding on your router and allow incoming traffic on the HTTP and RTSP ports your camera is using (your router may require a reboot after port forwarding is set). Refer to the "Remote Viewing via Internet Explorer" section in the user manual for detailed information. If you don't know how to enable port forwarding on the router, consult the manufacturer of your router for instruction.

Symptom	Possible Cause/Solution
Network diagnosis shows error icon.	**Network connection error.** The network connection test verifies if the camera has successfully connected to the LAN network. When the diagnosis result shows a red exclamation mark icon ( ) for network connection, it means the camera fails to connect to LAN network. Check if the LAN cable is securely connected to the Ethernet port of the camera and to your hub/router, or check if the LAN cable is functioning normally. Also check whether the gateway address your camera uses is identical to that of your router.
	Internet connection error. The Internet connection test verifies if the camera is connected to the Internet. When the diagnosis result shows a red exclamation mark icon ( ) for Internet connection, it may represent a failed connection to the LAN network. It could also be caused by inappropriate settings on your router that makes your router unable to connect to the Internet, such as wrong PPPoE user name/password, or wrong WAN IP setting (when your ISP provides you with fixed IP address). See if your PC connected to your router can also access the Internet. If not, consult your ISP/ router manufacturer for correct Internet setting. If your router can connect to the Internet but your camera connected to your router cannot, check whether the IP, subnet mask and gateway is correctly set on your camera.
	HTTP/RTSP port error. HTTP port is used for transmitting web pages, commands over the Internet. RTSP port is used for sending video/audio data. These two test items will fail whenever port forwarding is not enabled. Make sure you have enabled port forwarding on your router and have allowed traffic on ports your IP camera is using. Refer to the "Remote Viewing via Internet Explorer" section of this manual for more information.

Symptom	Possible Cause/Solution
Part of image becomes pixelated / Square color blocks are seen	**Network bandwidth is insufficient.** Without sufficient bandwidth, video quality will deteriorate and image errors like pixelation or frame-drop may occur. When you view your camera remotely from the Internet, your camera needs sufficient upload bandwidth to transmit video stream and you need sufficient download bandwidth to download video stream at the remote location. To gain satisfactory video quality, ensure there is sufficient upload bandwidth available to your network camera by taking the following actions: 1. Contact your Internet Service Provider (ISP) to confirm the upload/download speed limit of your service. If the bit rate of the video stream is set at 512Kbps or higher but your Internet service only provides a max. of 512Kbps for upload bandwidth, then try to lower the bit rate setting in [Setup] > [Video]. 2. Run a network speed diagnostics on WebVUer to determine the bandwidth level of the currently connected network. To do so, log in to your camera using WebVUer and go to [Setup] > [Network] > [Network Bandwidth].When the speed diagnostics is done, the WebVUer will advise you of the appropriate setting. Consider the following action to ensure sufficient download bandwidth at your remote viewing location: 1. Contact your Internet Service Provider (ISP) to confirm the upload/download speed limit of your service. If the bit rate of the video stream is set at 3Mbps or higher but your Internet service only provides a max. of 2Mbps download bandwidth, then try to lower the bit rate setting in [Setup] > [Video]. 2. Upgrade to Gigabit network switch. Regular 10/100 Mbps network switch cannot handle multiple megapixel channels, thus you may consider upgrading to Gigabit network switch when building up your network infrastructure. 3. While you are viewing the network camera remotely, shutting down any other applications that are also consuming the network bandwidth in the background.

Symptom	Possible Cause/Solution
Cannot store recordings on microSD card.	**The microSD card is not inserted firmly into position.** Remove the memory card and re-insert it back to the card slot. To verify if your SD card is properly installed, go to [Setup] > [Recording Setup] > [Micro SD], and check if [SD Card Status] and [SD Card Capacity] shows correct information. If "not detected" is shown, remove and re-insert the card again, and refresh the WebVUer, and verify again.
	The **microSD card is not properly formatted.** Go to main setup page, and choose [Recording Setup] from the left menu. Choose [Micro SD] for the "Destination" field, and then press the [Format] button. If it still doesn't function properly, try storing still snapshots onto the SD card. Failure in storing snapshots often suggests problem with the memory card.
	The **microSD card is not supported by the device.** Your IP camera may not fully support high capacity memory cards from all the manufacturers. Contact Storex technical support when you think you have encountered a SD card compatibility problem.
	The speed class of SD card does not meet the requirement. You might experience minor issue in video recording when your SD card does not meet the writing speed requirement. Storex recommends using class 4 or above SD card for video recording.
	A motion detection region has not been configured for recording triggered motion events. If you want to record video clips of detected motion to SD card, you need to set at least a motion detection region before setting up event-based recording in Recording Setup.

Chapter 10: Technical Specifications

Technical Specifications

Category		DNR-30H	
Camera	Image Sensor	1/3" CMOS Megapixel sensor	
	Lens	• Focal Length: 4.0 mm • Max Aperture Ratio: F1.5 • Fixed iris	
	Pan range	-170° ~ +170° total of 340 degree	
	Tilt Range	-10° ~ +90° total of 100 degree	
	Max Speed	Pan 90°/Sec., Tilt 70°/Sec.	
	Zoom	10x digital zoom	
	Angle of View	60° horizontal	
	Focusing Range	0.5m ~ INF	
	Minimum Illumination	• IR Mode: 0 lux; using built-in IR light in darkness up to 15m • Color Mode: 1.0 lux	
	Shutter Time	1/5 ~ 1/16000 Sec	
Video	Video Compression	• H.264 (MPEG-4 Part 10) • Motion JPEG • MPEG-4 Part 2	
	Resolutions	160 x 120, 320 x 240, 640 x 480, 1280 x 1024	
	Frame Rate	• Up to 30 frames at 640 x 480 • Up to15 frames at 1280 x 1024	
	Video Streaming	Dual H.264, MJPEG or MPEG-4 video streams	
	Image Settings	• Adjustable image size and quality • AGC, AWB, AES • Configurable brightness, saturation and sharpness	
Audio	Audio Communi-cation	Two-way audio with built-in MIC (S/N ratio 58 dB, 50-10000hz)	
	Audio compression	G.711 PCM 64Kbit/sec	
	Audio input / output	MIC input / Audio out	
Network	Security	User ID / Password protection	
	Supported Protocols	DDNS / PPPoE / HTTP Server / DHCP Client / NTP Client / DNS Client / FTP Client / SMTP Client / ARP / ICMP/IPV4/ UDP / TCP/IP	
Firmware	Firmware	• Support UPnP • Support online firmware update	

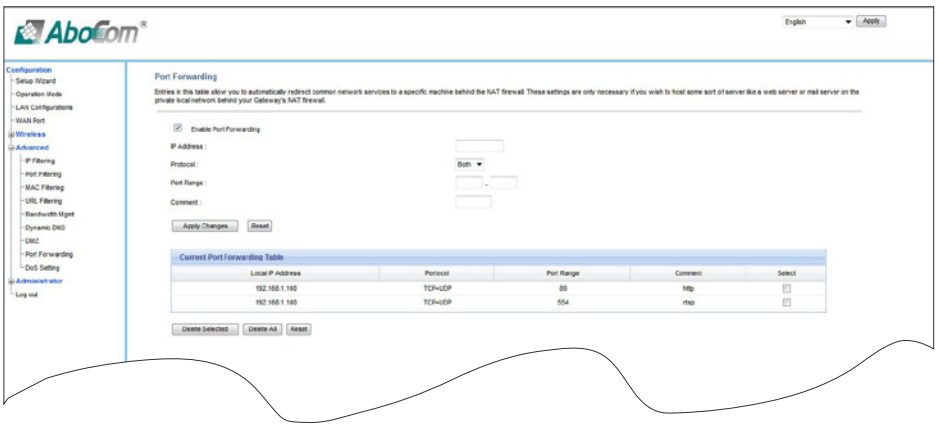
Category		DNR-30H
Software	NVR Station	• Multiple channel management • Recording search and playback • Scheduled and event-driven management • Smart Detection
Web Browser	Internet Explorer (ActiveX)	• Monitor the current condition of the monitored area via Internet Explorer • Capture a still image and save it in JPG format on PC • Alarm and event management: FTP, I/O alarm, server notification and email
	Supported Devices	• PC, Laptop, Nettop, MID, or Tablet with IE/ActiveX support. • Mobile phone, iPhone/iPod, PDA support in MJPEG mode.
Mobile Phone	MJPEG Mode	Viewing of camera image via phone browsers
	3GPP Mode	Viewing of camera image via 3G phones (3GPP Streaming)
General	Operating Condition	5 °C ~ 40 °C
	Power Supply	DC 12V/2A
	System Requirements	• Computer with 1.7GHz processor and 512 MB memory or above • Supported Operating Systems: Windows XP SP3, Vista SP1, Windows 7 x86/x64
	Included Accessories	• Software CD (electronic manual included) • Quick installation guide • Power adapter • Network cable • Screws for ceiling mounting • Screw mount
	Dimensions	105 x 125.5 x 128.6 mm

Chapter 11: Appendix

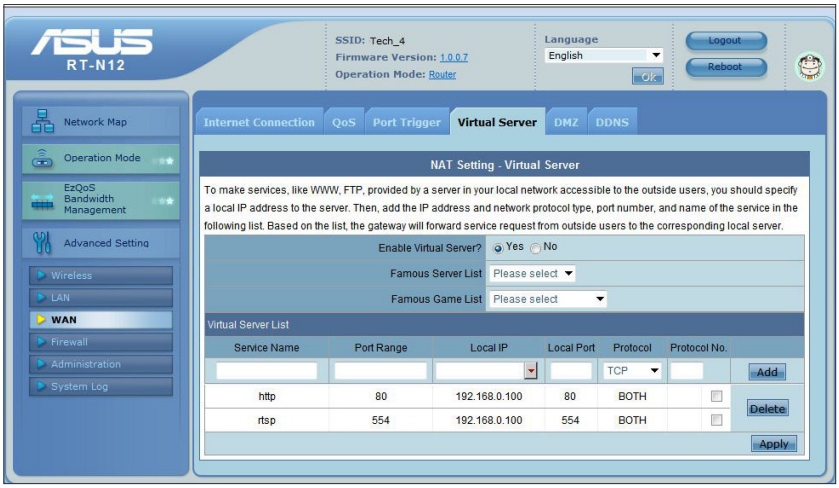
Examples of Port Forwarding Setup on Routers

The following are some examples of router configurations with reagrd to port forwarding / port mapping / virtual server on some popular router products. You can also log on to portforward.com for more port forwarding setup examples on other router products.

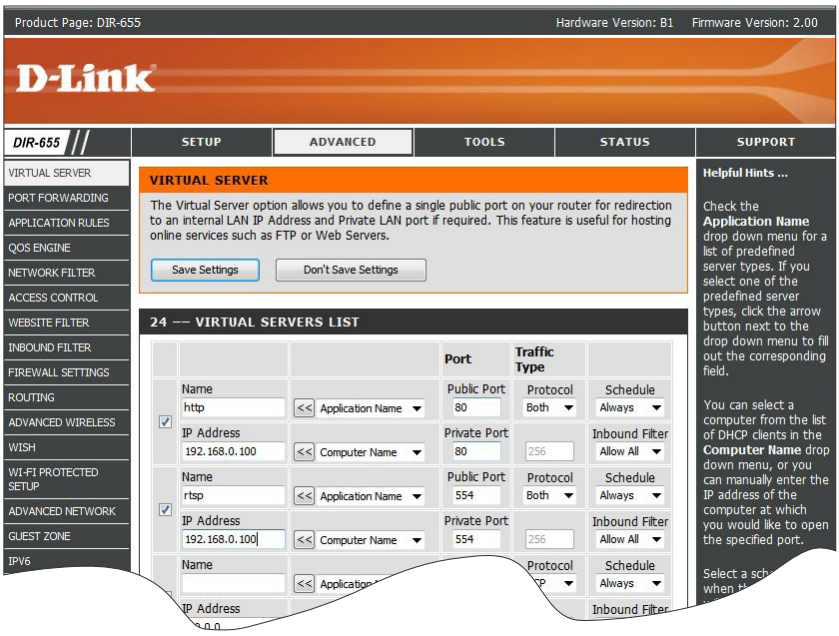
Abocom WAA813rn Port Forwarding Setup



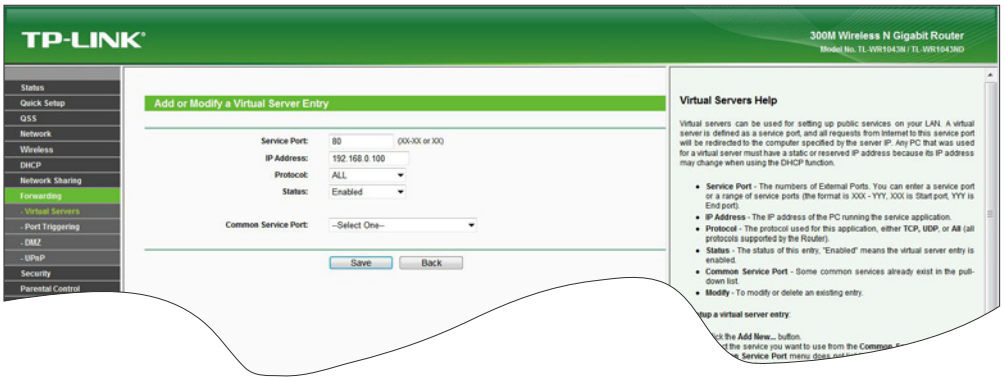
ASUS RT-N12 Virtual Server Setup

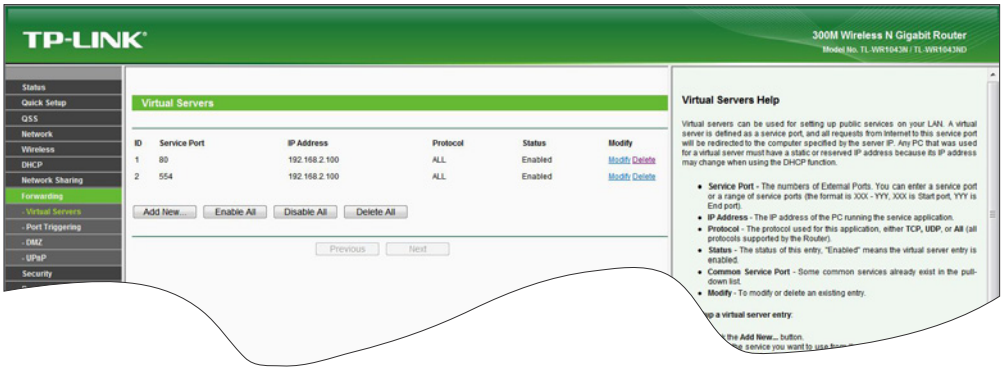


D-Link DIR-655 Virtual Serve Setup



TP-LINK wr1043n Virtual Server Setup


TP-LINK
300M Wireless N Gigabit Router
Model No. TL-WR1043N / TL-WR1043ND
Status
Quick Setup
QSS
Network
Wireless
DHCP
Network Sharing
Forwarding
- Virtual Servers
- Port Triggering
- DMZ
- UPnP
Security
Parental Control
Add or Modify a Virtual Server Entry
Service Port: 80 (XX-XX or XX)
IP Address: 192.168.0.100
Protocol: ALL
Status: Enabled
Common Service Port: --Select One--
Save
Back
Virtual Servers Help
Virtual servers can be used for setting up public services on your LAN. A virtual server is defined as a service port, and all requests from Internet to this service port will be redirected to the computer specified by the server IP. Any PC that was used for a virtual server must have a static or reserved IP address because its IP address may change when using the DHCP function.
Service Port - The numbers of External Ports. You can enter a service port or a range of service ports (the format is XXX - YYY, XXX is Start port, YYY is End port).
IP Address - The IP address of the PC running the service application.
Protocol - The protocol used for this application, either TCP, UDP, or All (all protocols supported by the Router).
Status - The status of this entry, "Enabled" means the virtual server entry is enabled.
Common Service Port - Some common services already exist in the pull-down list.
Modify - To modify or delete an existing entry.


TP-LINK
300M Wireless N Gigabit Router
Model No. TL-WR1043N / TL-WR1043ND
Status
Quick Setup
QSS
Network
Wireless
DHCP
Network Sharing
Forwarding
- Virtual Servers
- Port Triggering
- DMZ
- UPnP
Security
Virtual Servers
ID Service Port IP Address Protocol Status Modify
1 80 192.168.2.100 ALL Enabled Modify Delete
2 554 192.168.2.100 ALL Enabled Modify Delete
Add New... Enable All Disable All Delete All
Previous Next
Virtual Servers Help
Virtual servers can be used for setting up public services on your LAN. A virtual server is defined as a service port, and all requests from Internet to this service port will be redirected to the computer specified by the server IP. Any PC that was used for a virtual server must have a static or reserved IP address because its IP address may change when using the DHCP function.
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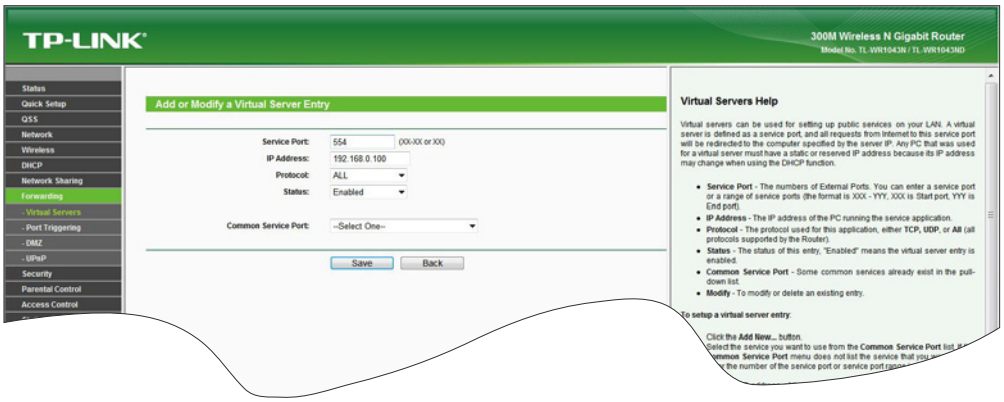
TP-LINK
300M Wireless N Gigabit Router
Model No. TL-WR1043N / TL-WR1043ND
Status
Quick Setup
QSS
Network
Wireless
DHCP
Network Sharing
Forwarding
- Virtual Servers
- Port Triggering
- DMZ
- UPnP
Security
Parental Control
Access Control
Add or Modify a Virtual Server Entry
Service Port: 554 (XX-XX or XX)
IP Address: 192.168.0.100
Protocol: ALL
Status: Enabled
Common Service Port: --Select One--
Save
Back
Virtual Servers Help
Virtual servers can be used for setting up public services on your LAN. A virtual server is defined as a service port, and all requests from Internet to this service port will be redirected to the computer specified by the server IP. Any PC that was used for a virtual server must have a static or reserved IP address because its IP address may change when using the DHCP function.
Service Port - The numbers of External Ports. You can enter a service port or a range of service ports (the format is XXX - YYY, XXX is Start port, YYY is End port).
IP Address - The IP address of the PC running the service application.
Protocol - The protocol used for this application, either TCP, UDP, or All (all protocols supported by the Router).
Status - The status of this entry, "Enabled" means the virtual server entry is enabled.
Common Service Port - Some common services already exist in the pull-down list.
Modify - To modify or delete an existing entry.
To setup a virtual server entry:
Click the Add New... button.

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